Vessels 12
Beakers 12
Measuring jugs 16
Flasks 21
Test tubes 27
Tube racks 34
Containers 41
Baskets 45
Transport boxes 47
Buckets 49
Aspirators and Carboys 51
Wide neck bottles 58
Narrow neck bottles 76
Square bottles 85
Spray, dropping bottles 86
Funnels 93
Cylinders 98
Dishes, Basins 99
Crucibles 106

Tools 110
Spoons, Spatulas 110
Knives, Scissors 116
Workshop tools 120
Glass working 120
Forceps 123
Scoops 125

Heating 127
Burners 127
Beaker tongs 134
Tripod 135

Tubing 137
Gas 137
Rubber 137
Plastic 138
Adapters, Clips, Clamps 143

General laboratory aids 153
Labels 153
Documenting 160
Laboratory jacks 162
Stands, Fittings 165
Batteries 175
Bags, Foils 177
Greases 182

QUALITY HAS A NAME – DURAN®

As one of the leading manufacturers of borosilicate glass 3.3, the DURAN GROUP works constantly to optimise its existing products and develop new products. The combination of long years of experience with the flexibility of a medium-sized company makes the DURAN GROUP an ideal partner.

Our umbrella brand

DURAN GROUP
magic of precision

WHAT MAKES DURAN® SPECIAL

Optimum physical and chemical characteristics make DURAN® glass the material of choice for laboratory applications.

- High raw material purity guarantees uniform glass characteristics
- Decades of experience in the manufacture of laboratory glassware guarantee constant high quality
- Uniform wall thickness distribution throughout the product
  – therefore better mechanical stability and greater thermal shock resistance
  – prevents material stresses, which may cause the glass to crack when subject to heating or cooling
- Advantages: improved safety for employees, longer laboratory glass service life, protection of valuable substances

THE BATCH CERTIFICATE

All DURAN® laboratory glass bottles, beakers, Erlenmeyer flasks and reagent bottles are provided with a "retrace code".

- Eight-figure number on the articles
- Permits, together with the DURAN Group article number, the calling up of a batch and quality certificate via the DURAN GROUP home page – quickly and conveniently
- Traceability right back to the time of manufacture and the corresponding batch
- Gap-free documentation within your own quality management system

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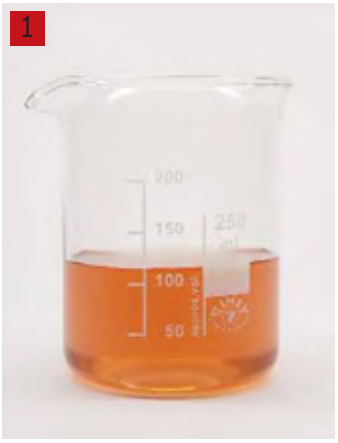
DURAN GROUP
magic of precision

www.wenk-labtec.com

1 Beakers, Borosilicate 3.3, low form

DIN 12 331. ISO 3819. With approximate graduations and spout.

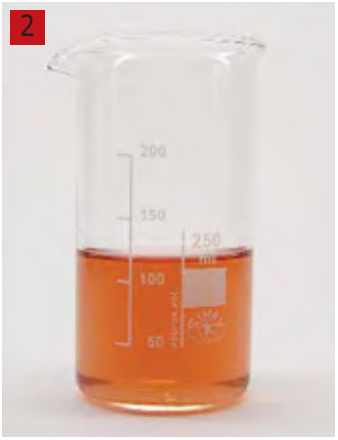
Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
5	22	30	10	**9.013 905**
10	26	35	10	**9.013 906**
25	34	50	10	**9.013 900**
50	42	60	10	**9.013 901**
100	50	70	10	**9.013 902**
150	60	80	10	**9.013 903**
250	70	95	10	**9.013 904**
400	80	110	10	**9.013 910**
600	90	125	10	**9.013 911**
800	100	135	10	**9.013 912**
1000	105	145	10	**9.013 913**
2000	130	185	4	**9.013 914**
3000	150	210	4	**9.013 915**
5000	170	270	2	**9.013 916**



2 Beakers, Borosilicate 3.3 glass, tall form

DIN 12 331. ISO 3819. With approximate graduations and spout.

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
25	30	55	10	**9.013 924**
50	38	70	10	**9.013 925**
100	48	80	10	**9.013 920**
150	54	95	10	**9.013 921**
250	60	120	10	**9.013 922**
400	70	130	10	**9.013 923**
600	80	150	10	**9.013 930**
800	90	175	10	**9.013 931**
1000	95	180	10	**9.013 932**
2000	120	240	6	**9.013 933**
3000	135	280	6	**9.013 934**



3 Beakers, DURAN®, low form

DIN 12331. ISO 3819. With easy-to-read scale and large labelling field for easy marking, in fired-on, highly durable white ceramic. Due to the wall thickness, it is suitable for use as a heating vessel. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification) except 5ml, 10ml and 25ml. Certificate available via the Internet. Autoclavable. *DURAN Group*

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
5*	22	30	1	**9.013 007**
10*	26	35	1	**9.013 008**
25	34	50	1	**9.013 014**
50	42	60	1	**9.013 017**
100	50	70	1	**9.013 024**
150	60	80	1	**9.013 029**
250	70	95	1	**9.013 036**
400	80	110	1	**9.013 041**
600	90	125	1	**9.013 048**
800	100	135	1	**9.013 053**
1000	105	145	1	**9.013 054**
2000	132	185	1	**9.013 063**
3000	152	210	1	**9.013 068**
5000	170	270	1	**9.013 073**
10000*/**	217	350	1	**9.013 086**

* Without graduations.
** Not to DIN and ISO.

4 Beakers Super Duty, DURAN®, low form

With approximate graduations and spout. Reinforced, sturdy rim and increased mechanical strength for heavy duty. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable. *DURAN Group*

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
150	60	80	1	**9.051 150**
250	70	95	1	**9.051 151**
400	80	110	1	**9.051 152**
600	90	125	1	**9.051 153**
1000	105	145	1	**9.051 154**
2000	132	185	1	**9.051 155**
5000	170	270	1	**9.051 156**

1 Beakers, DURAN®, tall form

DIN 12331. ISO 3819. With approximate graduations and spout. With easy-to-read scale and large labelling field for easy marking, in fired-on, highly durable white ceramic. Due to the wall thickness, it is suitable for use as a heating vessel. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
50	38	70	1	**9.013 117**
100	48	80	1	**9.013 124**
150	54	95	1	**9.013 129**
250	60	120	1	**9.013 136**
400	70	130	1	**9.013 141**
600	80	150	1	**9.013 148**
800	90	175	1	**9.013 153**
1000	95	180	1	**9.013 154**
2000	120	240	1	**9.013 163**
3000	135	280	1	**9.013 168**

2 Filter beaker, DURAN®

Heavy wall. With spout. Glass type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	Description	PK	Cat. No.
250	70	94	with graduations	1	**9.051 036**
500	89	124	with graduations	1	**9.051 044**
1000	105	160	with graduations	1	**9.051 054**
2000	135	195	with graduations	1	**9.051 063**
3000	157	205	with graduations	1	**9.051 068**
5000	182	256	with graduations	1	**9.051 073**
10000	225	340	without graduations	1	**9.051 086**
15000	260	390	without graduations	1	**9.051 088**
20000	285	430	without graduations	1	**9.051 091**

3 Beakers, low form, Pyrex®

NEW!

- Complies with ISO 3819 and DIN 12331
- Manufactured from Pyrex® borosilicate glass
- Excellent thermal performance
- High resistance to chemical attack
- White graduations and marking spot

Scilabware

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
25	34	50	10	**9.014 003**
50	42	60	10	**9.014 001**
100	50	70	10	**6.238 860**
150	60	80	10	**9.014 002**
250	70	95	10	**6.254 004**
400	80	110	10	**9.014 004**
600	90	125	10	**6.258 182**
1000	105	145	10	**9.014 005**

6.230 405

Beakers, low form, heavy duty, Pyrex®

NEW!

- Mechanically stronger than standard beakers
- Designed for longer life and increased user safety
- Reinforced rims and spout, less prone to breakage during washing etc.
- Thicker walls and heavier bases
- Manufactured from Pyrex® borosilicate glass
- White graduations and marking spot

Scilabware

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
250	68	90	12	**6.230 404**
400	77	110	12	**6.230 405** 4
600	90	124	6	**6.235 736**
1000	108	156	6	**6.252 670**

Glassware cleaners - please see page 1122.

1 Beakers, tall form, Pyrex®

NEW!

Scilabware

- Complies with ISO 3819 and DIN 12331
- Manufactured from Pyrex® borosilicate glass
- Tall form with spout
- White graduations and marking spot

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
100	48	80	10	**6.254 003**
150	54	95	10	**6.254 389**
250	60	120	10	**9.014 006**
400	70	130	10	**6.251 689**
600	80	150	10	**6.205 753**

1

2 Beakers, 18/10 steel

With rim and spout. Flat bottom for good contact with hotplates and magnetic stirrers.

Bochem

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
100	50	60	1	**9.013 610**
250	65	85	1	**9.013 611**
500	80	110	1	**9.013 612**
1000	100	130	1	**9.013 613**
2000	120	180	1	**9.013 614**
3000	150	180	1	**9.013 615**
5000	180	210	1	**9.013 616**

2

3 Measuring jugs with handle, 18/10 steel

Graduated 200 ml.
Heavy duty. With spout and handle.

Bochem

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
1000	100	140	1	**9.275 850**
2000	130	170	1	**9.275 852**

3

1

1 LLG-Griffin beakers, PP

According to ISO 7056. Printed blue graduations.

Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
25	5	32	47	2	**9.013 670**
50	10	39	60	2	**9.013 671**
100	10	50	70	2	**9.013 672**
250	25	67	93	2	**9.013 673**
500	50	88	119	2	**9.013 674**
1000	50	109	147	2	**9.013 675**
2000	100	133	184	1	**9.013 676**

2

2 Griffin beakers, PP

Highly transparent. With easily readable, printed blue scale. *VITLAB*
To preserve markings, cleaning at no higher than 60°C is recommended.
Food-safe product according to EC Directive No. 10/2011.

Material	Capacity	Grad.	Diam.	Height	PK	Cat. No.
	ml	ml	mm	mm		
PP	10	2	25	35	1	**9.013 208**
PP	25	5	31	47	1	**9.013 220**
PP	50	10	40	60	1	**9.013 228**
PP	100	20	49	70	1	**9.013 238**
PP	150	20	56	80	1	**9.013 244**
PP	250	50	68	94	1	**9.013 248**
PP	400	50	77	109	1	**9.013 209**
PP	500	100	88	122	1	**9.013 254**
PP	600	100	91	125	1	**9.013 256**
PP	800	100	98	136	1	**9.013 258**
PP	1000	100	102	149	1	**9.013 262**
PP	2000	200	133	183	1	**9.013 264**
PP	3000	200	174	214	1	**9.013 266**
PP	5000	500	185	248	1	**9.013 270**

3

3 Griffin beakers, ETFE, for trace analysis

Transparent. With easily readable, printed black scale. *VITLAB*
Very good chemical resistance and very high thermal stability from -100°C to +150°C.
To preserve markings, cleaning at greater than 60°C is not recommended.

Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
25	5	32	50	1	**9.013 702**
50	10	39	59	1	**9.013 703**
100	20	50	72	1	**9.013 704**
250	50	67	96	1	**9.013 706**
400	50	77	109	1	**9.013 707**
500	100	88	122	1	**9.013 192**
600	100	91	125	1	**9.013 708**
1000	100	105	143	1	**9.013 710**

4

4 Griffin beakers, PFA, for trace analysis

Transparent. With a raised scale. Excellent chemical resistance and very high thermal stability from -200°C to +260°C *VITLAB*
Autoclavable at 120°C (2 bar) according to DIN EN 285.
The advantages of PFA
- Specially suitable for use in trace analysis
- Ideal for sensitive and valuable samples
- Long-term maintenance of low-concentration reference materials in PFA containers
- No memory effects
- Practically no carryover, no contamination due to the extremely hydrophobic, anti-adhesive and smooth surfaces
- High thermal stability, from -200°C to +260°C
- Chemical inertness against nearly all chemicals
- Good transparency and dimensional stability
- Easy to clean
- Use of high purity raw materials

Material	Capacity	Grad.	Diam.	Height	PK	Cat. No.
	ml	ml	mm	mm		
PFA	25	5	32	50	1	**9.013 210**
PFA	50	10	39	59	1	**9.013 211**
PFA	100	20	50	72	1	**9.013 212**
PFA	250	50	67	96	1	**9.013 213**
PFA	500	100	88	122	1	**9.013 214**
PFA	1000	100	109	141	1	**9.013 215**

1 Griffin beakers PMP

Crystal clear. With easily readable, printed red scale. *VITLAB*
To preserve markings, cleaning at no higher than 60°C is recommended.

Material	Capacity ml	Grad. ml	Diam. mm	Height mm	PK	Cat. No.
PMP	10	2	25	35	1	**9.013 315**
PMP	25	5	31	47	1	**9.013 320**
PMP	50	10	40	60	1	**9.013 328**
PMP	100	20	49	70	1	**9.013 338**
PMP	150	20	56	80	1	**9.013 344**
PMP	250	50	68	94	1	**9.013 348**
PMP	400	50	77	109	1	**9.013 350**
PMP	500	100	88	122	1	**9.013 354**
PMP	600	100	91	125	1	**9.013 356**
PMP	800	100	98	136	1	**9.013 358**
PMP	1000	100	102	149	1	**9.013 362**
PMP	2000	200	133	183	1	**9.013 364**
PMP	3000	200	174	214	1	**9.013 366**
PMP	5000	500	185	248	1	**9.013 370**

2 Beakers, PTFE, Low form

With reinforced rim and spout. Ungraduated. *BRAND*
Excellent chemical and temperature resistance.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
5	20	28	1	**9.013 722**
10	25	33	1	**9.013 723**
25	33	45	1	**9.013 724**
50	45	60	1	**9.013 725**
100	55	65	1	**9.013 726**
150	60	70	1	**9.013 727**
250	70	95	1	**9.013 728**
400	80	105	1	**9.013 729**
500	100	125	1	**9.013 731**
1000	105	155	1	**9.013 734**
2000	120	210	1	**9.013 735**

3 LLG-measuring jugs, PP

According to ISO 7056. Printed blue graduations. Stackable.

Capacity ml	Grad. ml	Diam. mm	Height mm	PK	Cat. No.
250	5	75	115	2	**9.013 680**
500	10	100	137	2	**9.013 681**
1000	10	125	167	2	**9.013 682**
2000	20	148	217	1	**9.013 683**
3000	25	170	244	1	**9.013 684**

4 Graduated jugs, PP, moulded graduations

NEW!

Highly transparent. *VITLAB*
With a raised scale and stable, easy-grip handle.
Autoclavable at 121°C (2 bar) according to DIN EN 285.
Food-safe (suitable for contact with foodstuff in accordance with Regulation (EC) No. 10/2011).

Capacity ml	Grad. ml	Diam. mm	Height mm	PK	Cat. No.
50	2	40	70	1	**7.008 977**
100	2	50	80	1	**7.008 978**
250	5	70	120	1	**7.008 967**
500	10	91	133	1	**7.008 969**
1000	10	116	170	1	**7.008 971**
2000	20	150	215	1	**7.008 973**
3000	50	170	242	1	**7.008 975**
5000	100	210	270	1	**7.008 976**

1 Graduated jugs, PP, moulded blue graduations

Highly transparent. With easily readable, raised, embossed blue scale, and stable, easy-grip handle. *VITLAB*
To preserve markings, do not clean at temperatures exceeding 60ºC. Conditionally autoclavable at 121°C (2 bar) according to DIN EN 285. For autoclaving, we recommend the design with raised graduations. Food-safe (suitable for contact with foodstuff in accordance with Regulation EC No. 10/2011).

Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
50	2	40	70	1	**9.275 772**
100	2	50	80	1	**9.275 773**
250	5	70	120	1	**9.275 748**
500	10	91	133	1	**9.275 775**
1000	10	116	170	1	**9.275 776**
2000	20	150	215	1	**9.275 777**
3000	50	170	242	1	**9.275 778**
5000	100	210	270	1	**9.275 779**

2 Graduated jugs, PP, blue graduations

NEW!

Stackable. Highly transparent. *VITLAB*
With easily readable, printed blue scale and stable handle.
To preserve markings, do not clean at temperatures exceeding 60ºC. For autoclaving we recommend the design with raised graduations (cat. nos. 7.008 967 and 7.008 978).
Food-safe (suitable for contact with foodstuff in accordance with Regulation EC No. 10/2011).

Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
250	5	75	115	1	**9.275 738**
500	10	100	140	1	**9.275 740**
1000	10	125	167	1	**9.275 742**
2000	20	148	212	1	**9.275 744**
3000	50	170	242	1	**9.275 746**

3 Graduated jugs, SAN, moulded graduations

NEW!

Crystal clear. *VITLAB*
With a raised scale and stable, easy-grip handle.
Food-safe (suitable for contact with foodstuff in accordance with Regulation (EC) No. 10/2011).

Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
250	5	70	120	1	**7.008 966**
500	10	91	133	1	**7.008 968**
1000	10	116	170	1	**7.008 970**
2000	20	150	215	1	**7.008 972**
3000	50	170	242	1	**7.008 974**

4 Conical measures, PP, graduated

Graduated. Can withstand temperatures up to 120°C. With wide base for stability. *Kartell*

Capacity	Grad.	Height	PK	Cat. No.
ml	ml	mm		
100	2	118	1	**9.013 773**
250	5	164	1	**9.013 774**
500	10	183	1	**9.013 775**
1000	20	263	1	**9.013 776**

9.014 008

Beakers, conical form, Pyrex®

NEW!

- Conical shape (Phillips pattern) with spout *Scilabware*
- Manufactured from Pyrex® borosilicate glass
- Excellent thermal performance and chemical resistance

Capacity	Neck diam.	External flask diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
250	52	68	105	10	**9.014 007**
500	59	86	142	10	**9.014 008**

The highest quality, for a performance you can measure.

VITLAB® volumetric flasks Class A have an individually adjusted ring-mark for highest precision.

VITLAB® dispensers are suitable for a wide variety of applications in the dispensing of exact volumes.

VITLAB® burettes are characterized by a comfortable handling and accurate results.

VITLAB is one of the leading manufacturers of Liquid Handling instruments and high quality plastic laboratory products and has decades of experience in the development and production of volume measuring devices. Based on DIN 12681 VITLAB was the first manufacturer of Class A, conformity-certified measuring cylinders available in PMP plastic. With the conformity certificate VITLAB guarantees that the products are calibrated in accordance with German Calibration Regulations and ensures that the tightest tolerances for the adherence to measurement standards are maintained.

VITLAB®
Competence in Labware

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www.wenk-labtec.com

Plastic as Science

At the end of Fifties, the plastics technological developments led naturally to the birth of the **Labware Division**, the Kartell section specifically dedicated to study and supply products for the laboratory market. The Division uses raw materials, such as Polypropylene, Polystyrene and Polyethylene to produce a wide range of lightweight, highly resistant and economic products, the natural alternative to the glass. *That's the reason why Kartell is today internationally known as a leader in high quality technical laboratory products.*

Kartell LABWARE

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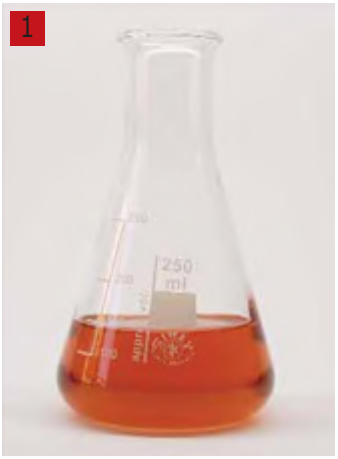
labware@kartell.it

www.wenk-labtec.com

1 Erlenmeyer flasks, Borosilicate glass 3.3, narrow neck

DIN ISO 1773. With graduations and beaded rim.

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
25	22	42	70	10	**9.141 079**
50	22	51	85	10	**9.141 080**
100	22	64	105	10	**9.141 081**
200	34	79	131	10	**9.141 085**
250	34	85	140	10	**9.141 082**
300	34	87	156	10	**9.141 086**
500	34	105	175	10	**9.141 083**
1000	42	131	220	10	**9.141 084**
2000	50	166	280	6	**9.141 087**
3000	50	187	310	6	**9.141 088**
5000	50	220	365	2	**9.141 089**



2 Erlenmeyer flasks, narrow neck, DURAN®

DURAN®. DIN ISO 1773. Narrow neck. With approximate graduations and beaded rim. *DURAN Group*
Uniform wall thickness distribution makes these beakers ideal for heating applications.
Erlenmeyer flasks are well suited for mixing, because of their conical shape. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. With Retrace Code (Batch Identification), certificate available via the Internet.

Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
25	42	22	75	1	**9.141 014**
50	51	22	90	1	**9.141 017**
100	64	22	105	1	**9.141 024**
125	67	28	112	1	**9.141 028**
150*	74	28	118	1	**6.234 510**
200*	79	34	131	1	**9.141 032**
250	85	34	145	1	**9.141 036**
300*	87	34	156	1	**9.141 039**
500	105	34	180	1	**9.141 044**
800	120	42	200	1	**9.141 053**
1000	131	42	220	1	**9.141 054**
2000	166	50	280	1	**9.141 063**
3000	187	52	310	1	**9.141 068**
5000	220	52	365	1	**9.141 073**

* Not to DIN.

3 Erlenmeyer flasks DURAN® Super Duty, narrow neck

With approximate graduations. Reinforced sturdy rim, and increased mechanical strength for heavy duty. Glass type I/neutral glass as per USP, EP and JP. With Retrace Code (Batch Identification) certificate available via the Internet. Autoclavable. *DURAN Group*

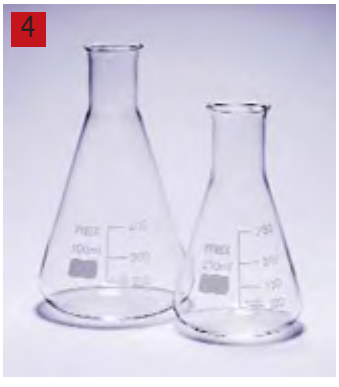
Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
25	42	22	75	1	**9.141 270**
50	51	22	90	1	**9.141 271**
100	64	22	105	1	**9.141 272**
250	85	34	145	1	**9.141 273**
500	105	34	180	1	**9.141 274**
1000	131	42	220	1	**9.141 275**
2000	166	50	280	1	**9.141 276**
5000	220	52	365	1	**9.141 277**

4 Narrow neck-Flasks, conical, Pyrex®

NEW!

- Complies with ISO 1773 and DIN 12353 *Scilabware*
- Erlenmeyer pattern
- Manufactured from Pyrex® borosilicate glass for highest resistance to thermal shock and chemical corrosion

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
50	18	51	85	10	**9.014 030**
100	18	64	105	10	**6.253 785**
250	34	85	145	10	**6.253 751**
500	34	105	180	10	**9.014 031**
1000	42	131	220	10	**7.656 279**
2000	50	166	280	10	**9.014 032**



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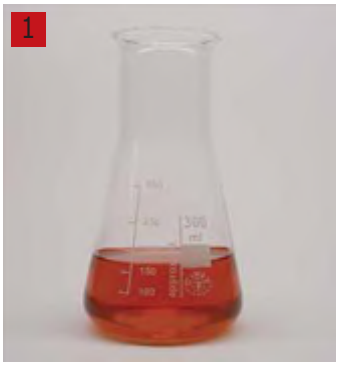


1 Erlenmeyer flasks, Borosilicate glass 3.3, wide neck

DIN ISO 24450. With graduations and beaded rim.

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
25	32	42	70	10	**9.141 186**
50	34	51	85	10	**9.141 180**
100	34	64	105	10	**9.141 181**
200	50	79	131	10	**9.141 187**
250	50	85	135	10	**9.141 182**
300	50	87	156	10	**9.141 183**
500	50	105	170	10	**9.141 184**
1000	50	131	215	10	**9.141 185**
2000	72	153	280	6	**9.141 188**

2

2 Erlenmeyer flasks, DURAN®, wide neck

DIN EN ISO 24450. Wide neck. With approximate graduations and beaded rim. With Retrace Code (Batch Identification), certificate available via the Internet.
Glass type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
25*	43	31	70	1	**9.141 114**
50	51	34	85	1	**9.141 117**
100	64	34	105	1	**9.141 124**
200	79	50	131	1	**9.141 132**
250	85	50	140	1	**9.141 136**
300	87	50	156	1	**9.141 139**
500	105	50	175	1	**9.141 144**
1000	131	50	220	1	**9.141 154**
2000*	153	72	276	1	**9.141 163**

* Not to DIN.

3

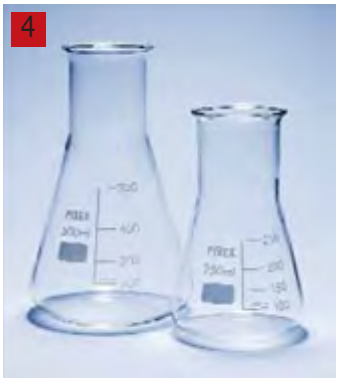
3 Erlenmeyer flasks DURAN® Super Duty, wide neck

With approximate graduations. Reinforced, sturdy rim and increased mechanical strength for heavy duty. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

DURAN Group

Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
100	64	34	105	1	**9.141 280**
250	85	50	140	1	**9.141 281**
500	105	50	175	1	**9.141 282**
1000	131	50	220	1	**9.141 283**

4



4 Flasks, conical, wide neck, Pyrex®

NEW!

Scilabware

- Complies with ISO 24450
- Erlenmeyer pattern
- Manufactured from Pyrex® borosilicate glass
- Excellent thermal performance
- High resistance to chemical attack
- White enamel graduations and marking spot

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
100	30	64	110	10	**9.014 033**
250	46	85	140	10	**6.252 200**
500	46	105	175	10	**9.014 034**

Flasks, conical, wide neck, heavy duty, graduated, Pyrex®

NEW!

- Mechanically stronger than conventional Erlenmeyers
- Reinforced rims for extra strength and resistance to impact fracture
- Manufactured from high quality Pyrex® borosilicate glass
- White graduations and marking spot

Scilabware

Capacity ml	Height mm	Ext. diam. mm	Neck diam. mm	NS	PK	Cat. No.
125	109	66	27	27	12	**6.254 447**
250	134	81	33	33	12	**6.253 743**
500	170	97	43	43	6	**6.902 292** 1

6.902 292

2 Erlenmeyer flasks, borosilicate glass 3.3, with screw neck

Borosilicate glass 3.3. Resistant to heat and almost all chemicals. Ideal for contamination free storage of culture specimen and media. Inscriptions are in white enamel which is specially designed for glass use. Autoclavable flasks and PP screw caps are resistant up to 121°C.

Isolab

Capacity ml	Height mm	Neck thread GL	PK	Cat. No.
100	110	32	1	**9.141 100**
250	145	32	1	**9.141 101**
500	180	32	1	**6.242 393**
1000	225	32	1	**9.141 102**

3 Erlenmeyer flasks, DURAN®, with screw neck

DURAN®. With DIN screw neck, PBT-screwthread cap (autoclavable up to 180°C), and approximate graduations. The flask is suitable for storage and cultivation. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable; undo cap before autoclaving. With retrace code (Batch Identification). Certificate via internet.

DURAN Group

Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
100	64	109	25	1	**9.141 224**
250	85	149	32	1	**9.141 236**
500	105	180	32	1	**9.141 244**
1000	131	225	32	1	**9.141 254**

4 Erlenmeyer flasks, PP

Highly transparent, wide-mouth, can also be used with NS stoppers (not included). Suitable for storage and cultivation of cell cultures.
Safer than glass flasks for use in incubator shakers due to the break resistance of plastic. Suitable for microwaves.
To preserve markings, do not clean at temperatures exceeding 60ºC
Food-safe product according to EC Directive No. 10/2011.

VITLAB

Capacity ml	Grad. ml	Neck thread GL	Stopper NS	PK	Cat. No.
50	10	40	34/35	1	**9.141 381**
100	20	40	34/35	1	**9.141 382**
250	50	52	45/40	1	**9.141 383**
500	100	52	45/40	1	**9.141 384**
1000	200	52	45/40	1	**9.141 385**

1 Baffled flasks DURAN®

With GL 45 thread *DURAN Group*

- Oxygen introduction is often a limiting factor for cell growth.
- Baffled flasks cause a turbulent flow, increase the gas exchange surface and produce a higher oxygen transfer.
- Automated one-step production enables a reproducible and comparable result.
- Complete with membrane screw cap (gas exchange).

Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
250	85	30	145	1	**9.141 260**
500	105	30	149	1	**9.141 261**

2 Culture flasks, borosilicate glass 3.3

Erlenmeyer. With 3 side baffles. Beaded rim.

Capacity ml	Diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
250	85	34	140	1	**9.010 125**
300	87	34	156	1	**9.010 126**
500	105	34	175	1	**9.010 127**
1000	131	42	220	1	**9.010 128**

3 Culture flasks, borosilicate glass 3.3

Erlenmeyer. With 3 side baffles. Straight neck. Suitable for metal caps.

Capacity ml	Diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
100	64	38	112	1	**9.010 120**
250	85	38	145	1	**9.010 121**
500	105	38	183	1	**9.010 122**
1000	131	38	232	1	**9.010 123**

4 Erlenmeyer flasks with baffles, PC

Transparent. With baffles indented into the base which increases mixing when trypsinizing and aerating in processes such as cell culture and fermentation. Autoclavable. *Thermo Scientific*

Capacity ml	PK	Cat. No.
250	1	**9.140 968**
500	1	**9.140 969**
1000	1	**7.048 662**
2000	1	**7.048 663**

Disposable Erlenmeyer flaks - please see page 1349.

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1 Round bottom flasks, DURAN®, narrow neck

To DIN ISO 1773. Narrow neck. With beaded rim. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
50	51	26	95	1	**9.141 417**
100	64	26	110	1	**9.141 424**
250	85	34	144	1	**9.141 436**
500	105	34	168	1	**9.141 444**
1000	131	42	200	1	**9.141 454**
2000	166	42	260	1	**9.141 464**
3000	185	50	260	1	**9.141 468**
4000	207	52	290	1	**9.141 471**

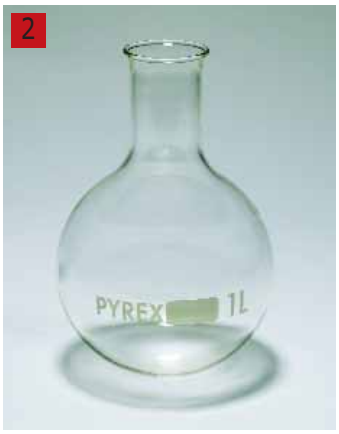
Flasks, boiling, round bottom, narrow neck, Pyrex®

NEW!

- Complies with ISO 1773
- Manufactured from Pyrex® borosilicate glass which offers excellent resistance to chemical corrosion and thermal shock

Scilabware

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
100	18	65	115	10	**9.014 026**
250	30	85	144	10	**9.014 027**
500	30	105	175	10	**9.014 028**
1000	36	131	200	10	**9.014 029** 2



9.014 029

3 Flasks, boiling, flat bottom, narrow neck, Pyrex®

NEW!

- Complies with ISO 1773
- Flat base for standing on benches and hotplates etc.
- Manufactured from Pyrex® glass for high resistance to thermal shock
- Excellent chemical durability for contamination-free performance
- With white enamel marking spot

Scilabware

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
100	18	64	110	10	**9.014 020**
250	30	85	140	10	**9.014 021**
1000	36	131	200	10	**9.014 022**

4 Flat bottom flasks, DURAN®, wide neck

DIN ISO 24450 (wide mouth), DIN ISO 1773 (narrow mouth). With beaded rim. Glass Type I/neutral glass as per USP, EP and JP. Uniform wall thickness distribution makes these beakers ideal for heating applications. Flat base means flasks can be set down without a supporting ring. Autoclavable. *DURAN Group*

Capacity ml	Diam. mm	Neck diam. mm	Height mm	Description	PK	Cat. No.
50	51	34	90	wide mouth	1	**9.141 717**
100	64	34	105	wide mouth	1	**9.141 724**
250	85	50	138	wide mouth	1	**9.141 736**
500	105	50	163	wide mouth	1	**9.141 744**
1000	131	50	190	wide mouth	1	**9.141 754**
2000*	166	76	230	wide mouth	1	**9.141 763**
2000	166	50	230	wide mouth	1	**9.141 764**
250	85	34	138	narrow mouth	1	**9.141 636**
500	105	34	136	narrow mouth	1	**9.141 644**
1000	131	42	190	narrow mouth	1	**9.141 654**
2000**	166	42	250	narrow mouth	1	**9.141 664**
4000	207	50	275	narrow mouth	1	**9.141 671**
5000	223	50	290	narrow mouth	1	**9.141 673**
6000	237	65	315	narrow mouth	1	**9.141 676**
10000	280	65	360	narrow mouth	1	**9.141 686**

* Non to DIN, with reinforced rim.
**Not to ISO.

1

9.014 023

Flasks, boiling, flat bottom, wide neck, Pyrex®

NEW!

Scilabware

- Complies with ISO 24450
- With wide neck to facilitate easy addition of solid samples etc.
- Flat base for standing on benches and hotplates etc.
- Flat base for standing on benches and hotplates etc.
- Manufactured from Pyrex® glass for high resistance to thermal shock
- Excellent chemical durability for contamination-free performance

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
250	47	84	140	10	**9.014 023**
500	47	103	170	10	**9.014 024**
1000	47	131	200	10	**9.014 025**

2

2 Kjeldahl flasks, DURAN®

To DIN 12360. With beaded rim.

DURAN Group

Capacity ml	Diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
100	60	22	200	1	**9.141 824**
250	81	34	270	1	**9.141 836**
500	101	34	300	1	**9.141 844**
750	115	34	340	1	**9.141 851**
1000	126	34	350	1	**9.141 854**

Note: special sizes available on request.

3

3 Flask rings, pressed cork

Height 30mm.

For flasks ml	Ext. diam. mm	Int. diam. mm	PK	Cat. No.
10 / 100	80	30	1	**9.143 003**
250 / 500	110	60	1	**9.143 006**
1000 / 2000	140	90	1	**9.143 009**
3000	170	120	1	**9.143 012**
4000	210	150	1	**9.143 015**

4

4 Flask ring, PP.

Provides a secure base for round bottom flasks from 10ml to 10000ml capacity.

Kartell

Diam. mm	Height mm	PK	Cat. No.
170	50	1	**9.143 040**

E & OE.

1 Flask support rings, "BiBase".

Double sided. Sits firmly on the bench to support round-bottomed flasks.
- Very soft and easy to clean
- Resistant to chemicals
- Good thermal and electric insulation
- Excellent adhesion with glass
- Non-slip

Available in two qualities:
Black rubber, good adhesion to glass.
Blue silicone elastomer, resistant to oxidation and temperatures from -60 to +200°C.

For flasks:	Narrow dia./Wide dia. /Height:
50 to 500ml:	46mm/80mm/30mm
500 to 2000ml:	80mm/120mm/40mm
2000 to 6000ml:	120mm/162mm/45mm

Material	For flasks ml	Max. kg	PK	Cat. No.
Rubber	50 to 500	13	1	**9.143 031**
Rubber	500 to 2000	18	1	**9.143 032**
Rubber	2000 to 6000	30	1	**9.143 033**
Silicone elastomer	50 to 500	13	1	**9.143 035**
Silicone elastomer	500 to 2000	18	1	**9.143 036**
Silicone elastomer	2000 to 6000	30	1	**9.143 037**

2 LAB rings

Rings to stabilise glassware and plasticware on shakers or to immerse in water baths. Vinyl-coated lead rings will not mark or scratch benchtops and labware.

Type	For flasks ml	Int. diam. mm	PK	Cat. No.
O-Shape	5 to 10	18	1	**7.072 085**
O-Shape	125 to 500	48	1	**6.243 010**
O-Shape	250 to 1000	51	1	**6.242 742**
O-Shape	500 to 2000	57	1	**6.243 011**
O-Shape	1000 to 4000	70	1	**7.054 161**
C-Shape	125 to 500	42	1	**9.149 902**
C-Shape	250 to 1000	51	1	**9.149 905**
C-Shape	500 to 2000	54	1	**9.149 906**
C-Shape	1000 to 4000	66	1	**9.149 907**
Lead Ring Stand, holds up to 8 rings			1	**6.243 012**

Water baths please see page 798.

3 Lab sleeves

Lead. Cylindrical, with opening. Provides a stable bench support for a variety of vessels, or used to sink flasks in waterbaths. Sealed in strong PVC. Flexible. Can be opened, closed or adapted to the diameter of the laboratory flask.

For dia. mm	Int. diam. mm	Weight g	PK	Cat. No.
48 to 59	53	240	1	**9.149 916**
59 to 73	66	460	1	**9.149 917**
73 to 90	80	600	1	**9.149 918**
90 to 110	100	750	1	**9.149 919**

4 LLG-Test tubes Fiolax® glass

Round bottom test tubes made of high quality Fiolax® glass with beaded rim.

Ext. diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
8	70	0.5	100	**7.190 001**
10	100	0.5	100	**6.234 026**
12	75	0.5	100	**7.613 795**
12	100	0.5	100	**7.190 011**
14	130	0.5	100	**7.606 374**
16	130	0.6	100	**7.606 375**
16	160	0.6	100	**7.190 021**
18	180	0.6	100	**7.190 023**
20	180	0.6	100	**7.190 028**

1 Test tubes, Fiolax® glass, with rim

Fiolax®. Round bottom with rim. Light-walled and resistant to rapid temperature changes and localised heating. *DURAN Group*

Diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
8	70	0,4-0,5	100	**9.190 001**
10	75	0,4-0,5	100	**9.190 003**
10	100	0,4-0,5	100	**9.190 006**
12*	75	0,4-0,5	100	**9.190 008**
12	100	0,4-0,5	100	**9.190 011**
14	130	0,4-0,5	100	**9.190 013**
16*	130	0,5-0,6	100	**9.190 016**
16	160	0,5-0,6	100	**9.190 021**
18	180	0,5-0,6	100	**9.190 023**
20	150	0,5-0,6	100	**9.190 026**
20	180	0,5-0,6	100	**9.190 028**
25	150	0,6-0,7	50	**9.190 033**
25	200	0,6-0,7	50	**9.190 036**
30	200	0,7-0,8	50	**9.190 038**

* Non DIN size.

2 LLG-Test tubes, AR® soda-lime glass

Test tubes with round bottom made out of AR®-Glass. Hydrolytic resistance: Class HGB 3 acc. to ISO 719, Type III acc. to C - USP.

Diam. mm	Height mm	Wall thickness mm	Description	PK	Cat. No.
8	70	0.5	with beaded rim	100	**6.201 034**
10	100	0.5	with beaded rim	100	**6.801 073**
12	100	0.5	with beaded rim	100	**7.607 198**
14	130	0.5	with beaded rim	100	**6.800 620**
16	130	0.6	with beaded rim	100	**6.800 382**
16	160	0.6	with beaded rim	100	**7.600 405**
20	180	0.6	with beaded rim	100	**7.607 778**
25	150	0.9	with beaded rim	50	**6.800 621**
30	200	0.9	with beaded rim	50	**7.600 324**
15	100	1.0	without rim	100	**7.651 872**
16	120	1.0	without rim	100	**7.651 871**
18	130	1.0	without rim	100	**7.652 552**
30	100	1.0	without rim	81	**6.235 823**

3 Test tubes, AR® soda-lime glass, rimless

Rimless, with round bottom (0.7 to 1.0 mm wall thickness).

Diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
8	40	0.7 ± 0.03	100	**9.190 200**
10	70	0.9 ± 0.04	100	**9.190 202**
10	100	0.9 ± 0.03	100	**9.190 205**
12	75	0.7 ± 0.04	250	**6.258 821**
12	100	0.7 ± 0.04	250	**6.258 822**
14	100	0.9 ± 0.04	250	**6.258 823**
14	130	0.9 ± 0.04	250	**6.258 824**
16*	100	0.8 ± 0.04	250	**6.258 825**
16*	160	0.8 ± 0.04	250	**6.258 826**
18*	180	1.0 ± 0.05	250	**6.258 827**

* Suitable for Kapsenberg caps.

4 Test tubes with spout, AR® soda glass

With spout and round bottom. 0.1ml graduations.

Capacity ml	Diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
5	12	110	0.70	1	**9.190 305**
10	13	160	1.00	1	**9.190 310**
20	15	200	0.90	1	**9.190 320**

Caps and stoppers - please see page 31.

E & OE.
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1 Test tubes, DURAN®, with or without rim

Available rimmed or rimless. DURAN® test tubes have a heavier wall and considerable mechanical strength and excellent resistance to temperature changes. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Diam. mm	Height mm	Wall thickness mm	With rim	PK	Cat. No.
8	70	0,8 - 1,0	with	100	**9.190 101**
10	75	0,8 - 1,0	with	100	**9.190 103**
10	100	0,8 - 1,0	with	100	**9.190 106**
12	75	0,8 - 1,0	with	100	**9.190 108**
12	100	0,8 - 1,0	with	100	**9.190 111**
13	100	0,8 - 1,0	with	100	**9.190 112**
14	130	0,8 - 1,0	with	100	**9.190 113**
16	130	1,0 - 1,2	with	100	**9.190 116**
16	160	1,0 - 1,2	with	100	**9.190 121**
18	180	1,0 - 1,2	with	100	**9.190 123**
20	150	1,0 - 1,2	with	100	**9.190 126**
20	180	1,0 - 1,2	with	100	**9.190 128**
25	150	1,0 - 1,2	with	50	**9.190 133**
25	200	1,0 - 1,2	with	50	**9.190 136**
30	200	1,0 - 1,4	with	50	**9.190 138**
8	70	0,8 - 1,0	without	100	**9.190 151**
10	75	0,8 - 1,0	without	100	**9.190 153**
10	100	0,8 - 1,0	without	100	**9.190 156**
12	75	0,8 . 1,0	without	100	**9.190 158**
12	100	0,8 - 1,0	without	100	**9.190 161**
13	100	0,8 - 1,0	without	100	**9.190 162**
14	130	0,8 - 1,0	without	100	**9.190 163**
16	130	1,0 - 1,2	without	100	**9.190 166**
16	160	1,0 - 1,2	without	100	**9.190 171**
18	180	1,0 - 1,2	without	100	**9.190 173**
20	150	1,0 - 1,2	without	100	**9.190 176**
20	180	1,0 - 1,2	without	100	**9.190 178**
25	150	1,0 - 1,2	without	50	**9.190 183**
25	200	1,0 - 1,2	without	50	**9.190 186**
30	200	1,0 - 1,4	without	50	**9.190 188**

Test tubes with stopper, DURAN® tubing, NS cone

Round bottom test tubes with NS cone and polystoppers. Made of DURAN® tubing.

Lenz

Length mm	Ext. diam. mm	NS	PK	Cat. No.
100	16	14/23	1	**9.190 410** 2
160	16	14/23	1	**9.190 416**
180	18	14/23	1	**9.190 418**

9.190 410

3 Test tubes, borosilicate glass 3.3, graduated, NS, with stopper

Wall thickness approx. 1.2mm. With NS ground socket and PP stopper. Graduations of approx. volume and markings are in high contrast white enamel. Supplied singly.

BRAND

Capacity ml	Grad. ml	NS	Diam. mm	Height mm	PK	Cat. No.
10	0.10	12/21	15	165	1	**9.190 508**
20	0.20	14/23	17	200	1	**9.190 516**
25	0.20	14/23	17	220	1	**9.190 521**
30	0.50	14/23	19	220	1	**9.190 524**

Test tube stands please see page 38.

1 Test tubes and centrifuge tubes, PS

Round or conical bottom.

Capacity ml	Length mm	Diam. mm	Description	PK	Cat. No.
2.0	40	10.5	round bottom	3000	**9.400 505**
3.5	63	11.0	round bottom	3000	**9.400 520**
4.0	70	11.0	round bottom	2880	**9.400 530**
4.0	55	12.0	round bottom	3600	**6.510 405**
5.0	75	12.0	round bottom	2000	**9.400 532**
10.0	100	14.0	round bottom	1400	**9.400 562**
12.0	100	16.0	round bottom	1600	**9.400 564**
14.0	100	17.0	round bottom	1500	**9.400 565**
20.0	152	16.0	round bottom	1500	**9.400 590**
4.5	75	12.0	conical bottom	3600	**9.400 901**
13.0	103	16.5	conical bottom	1500	**9.400 908**

2 Culture tubes, Borosilicate glass, screw cap

For culture growth, transport and storage. Heavy walled, thickness 1.1mm. Wide neck for easy inoculation and cleaning. Complete with aluminium or plastic screw cap and rubber sealing gasket. The 15ml size is specifically designed for use in centrifuges. Autoclavable. *schuett-biotec*

Capacity ml	Diam. mm	Height mm	Screw cap	PK	Cat. No.
15	16	98	Aluminium	100	**9.010 612**
20	16	150	Aluminium	100	**9.190 600**
15	16	98	Plastic	100	**9.010 613**
20	16	150	Plastic	100	**9.190 605**
50	25	150	Plastic	100	**9.010 620**

3 Tubes, glass, culture, screw cap, Soda-lime glass

Autoclavable. For culture growth, transport and storage. Complete with aluminium or plastic screw cap and rubber sealing gasket. The 5ml size has a frosted marking area. *schuett-biotec*

Capacity ml	Diam. mm	Height mm	Screw cap	PK	Cat. No.
3	12	35	Aluminium	100	**9.010 608**
5	14	50	Aluminium	100	**9.010 602**
5	14	50	Plastic	100	**9.010 603**
15	27	45	Plastic*	100	**9.010 610**
20	27	50	Plastic*	100	**9.010 611**
30	27	75	Plastic*	100	**9.010 601**

*also available with aluminium screw cap

4 Storage cases for culture tubes

For the protective storage and transportation of culture tubes.

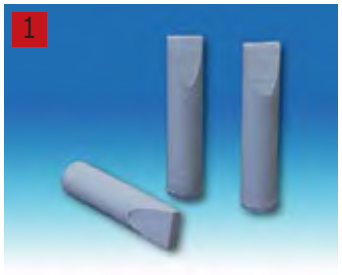
Material	For	PK	Cat. No.
Polystyrene	50 jars, 35x12mm	1	**9.010 609**
Polypropylene, autoclavable	50 jars, 35x12mm	1	**9.010 614**
Wood	100 jars, 50x14mm	1	**9.010 605**

9.010 605

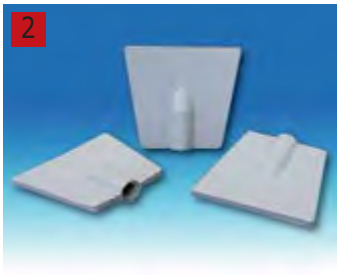
Test tube cleaners

Rubber. For removing heavy soiling from test tubes by scraping. With 5mm boring for rod. In various styles as indicated below.

Type	Form	Width mm	PK	Cat. No.
Rubber wiper	Rod-shaped	8	1	**9.190 901** 1
Rubber wiper	Spade-shaped	35	1	**9.190 902** 2
Test tube cleaner	4 blades	30	1	**9.190 903** 3



9.190 901



9.190 902

9.190 903

Glas bars please see page 116.

4 LLG-Stoppers for test tubes, PE

For tubes dia. mm	Colour	PK	Cat. No.
12 to 13	neutral	100	**9.231 270**
12 to 13	blue	100	**9.231 271**
12 to 13	yellow	100	**9.231 272**
12 to 13	red	100	**9.231 273**
12 to 13	green	100	**9.231 274**
15 to 16	neutral	100	**9.231 275**
15 to 16	blue	100	**9.231 276**
15 to 16	yellow	100	**9.231 277**
15 to 16	red	100	**9.231 278**
15 to 16	green	100	**9.231 279**

5 Sealing caps for test tubes, versilic silicone

Transparent. Made of versilic silicone. Type number corresponds to outside diameter of the vessel to be sealed (glass, plastic or metal). Sealing caps have a slight taper and offer a very secure hold and are comfortable to use.

Ext. diam. mm	PK	Cat. No.
10	1	**9.231 510**
12	1	**9.231 512**
14	1	**9.231 514**
16	1	**9.231 516**
18	1	**9.231 518**
20	1	**9.231 520**
22	1	**9.231 522**
25	1	**9.231 541**
30	1	**9.231 530**
35	1	**9.231 532**
42	1	**9.231 534**
45	1	**9.231 535**
50	1	**9.231 536**

1 Rubber stoppers

DIN 12871. Solid. *Deutsch & Neumann*

Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
3.5	6.5	15	1	**9.230 203**
5.0	9.0	20	1	**9.230 205**
8.0	12.0	20	1	**9.230 208**
10.5	14.5	20	1	**9.230 210**
12.5	16.5	20	1	**9.230 212**
14.0	18.0	20	1	**9.230 214**
17.0	22.0	25	1	**9.230 217**
18.0	24.0	30	1	**9.230 218**
21.0	27.0	30	1	**9.230 221**
23.0	29.0	30	1	**9.230 223**
26.0	32.0	30	1	**9.230 226**
29.0	35.0	30	1	**9.230 229**
31.0	38.0	35	1	**9.230 231**
36.0	44.0	40	1	**9.230 236**
41.0	49.0	40	1	**9.230 241**
47.0	55.0	40	1	**9.230 247**
50.5	59.5	45	1	**9.230 250**
56.0	65.0	45	1	**9.230 256**
60.0	70.0	50	1	**9.230 260**
64.5	75.5	55	1	**9.230 264**
71.0	83.0	60	1	**9.230 271**
79.0	92.0	65	1	**9.230 279**
87.0	100.0	65	1	**9.230 287**
94.0	107.0	65	1	**9.230 294**

2 Silicone rubber stoppers

Transparent. To DIN 12871. Solid. Operating temperature up to 225°C. Supplied singly. *Deutsch & Neumann*

Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
3.5	6.5	15	1	**9.230 503**
5.0	9.0	20	1	**9.230 505**
8.0	12.0	20	1	**9.230 508**
10.5	14.5	20	1	**9.230 510**
12.5	16.5	20	1	**9.230 512**
14.0	18.0	20	1	**9.230 514**
17.0	22.0	25	1	**9.230 517**
18.0	24.0	30	1	**9.230 518**
21.0	27.0	30	1	**9.230 521**
23.0	29.0	30	1	**9.230 523**
26.0	32.0	30	1	**9.230 526**
29.0	35.0	30	1	**9.230 529**
31.0	38.0	35	1	**9.230 531**
36.0	44.0	40	1	**9.230 536**
41.0	49.0	40	1	**9.230 541**
47.0	55.0	40	1	**9.230 547**
50.5	59.5	45	1	**9.230 550**
56.0	65.0	45	1	**9.230 556**
60.0	70.0	50	1	**9.230 560**
64.5	75.5	55	1	**9.230 564**
71.0	83.0	60	1	**9.230 571**
79.0	92.0	65	1	**9.230 579**

3 Stoppers with turn-over flange

Silicone or natural rubber. These stoppers guarantee perfect sealing even with poorly finished rims on glass or plastic bottles. The top of the stopper has a septum which can be punctured by a hypodermic needle. Very secure fit prevents accidental opening.

Material	Diam. mm	PK	Cat. No.
Silicone	7.1	1	**9.230 481**
Silicone	10.2	1	**9.230 482**
Silicone	12.7	1	**9.230 483**
Silicone	14.9	1	**9.230 484**
Silicone	15.9	1	**9.230 485**
Silicone	19.4	1	**9.230 486**
Silicone	23.7	1	**9.230 487**
Silicone	30.7	1	**9.230 488**
Rubber	7.1	1	**9.230 650**
Rubber	10.2	1	**9.230 651**
Rubber	12.7	1	**9.230 652**
Rubber	14.9	1	**9.230 653**
Rubber	15.9	1	**9.230 654**
Rubber	19.4	1	**9.230 655**
Rubber	23.7	1	**9.230 656**
Rubber	30.7	1	**9.230 657**

E & OE.
www.wenk-labtec.com

1 Cork stoppers

A1 superb quality. Non-porous.

Top diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
6	3	16	1	**9.230 703**
9	6	17	1	**9.230 706**
10	7	18	1	**9.230 707**
11	8	20	1	**9.230 708**
12	9	20	1	**9.230 709**
13	10	22	1	**9.230 710**
15	12	22	1	**9.230 712**
17	14	22	1	**9.230 714**
18	15	22	1	**9.230 715**
19	16	23	1	**9.230 716**
22	18	26	1	**9.230 718**
24	20	27	1	**9.230 720**
26	22	27	1	**9.230 722**
28	24	27	1	**9.230 724**
30	26	27	1	**9.230 726**
32	28	27	1	**9.230 728**
34	30	27	1	**9.230 730**
36	32	27	1	**9.230 732**
38	34	27	1	**9.230 734**
40	36	27	1	**9.230 736**
42	38	27	1	**9.230 738**
45	41	27	1	**9.230 741**
50	45	30	1	**9.230 745**
55	50	30	1	**9.230 750**
60	55	30	1	**9.230 755**
65	60	30	1	**9.230 760**
70	65	30	1	**9.230 765**

2 Cork borers

Brass, with handles. *Juchheim Laborgeräte*

Diam.	PK	Cat. No.
5 - 11	1	**9.143 471**
5 - 15	1	**9.143 473**
5 - 19	1	**9.143 475**
5 - 26	1	**9.143 477**

3 LLG-Cellulose stoppers

Cellulose, 100% chlorine-free bleached.
Ideal for closing test tubes, culture flasks, Erlenmeyer flasks etc.

For inter. diam. mm	PK	Cat. No.
7.5 to 8.5	4000	**9.231 660**
8.5 to 9.5	1000	**9.231 661**
9.5	2000	**9.231 662**
10.5 to 11.5	2000	**9.231 663**
9.5 to 11.5	1000	**9.231 664**
11.5 to 13.5	1000	**9.231 665**
11.5 to 13.0	1000	**9.231 666**
12.5 to 14.5	1000	**9.231 667**
13.0 to 14.5	1000	**9.231 668**
12.0 to 14.0	1000	**9.231 669**
13.5 to 15.5	500	**9.231 670**
17.5 to 18.5	500	**9.231 671**
20.5 to 22.0	400	**9.231 672**
19.0 to 22.5	500	**9.231 673**
27.0 to 32.5	1000	**9.231 674**
29.5 to 31.0	250	**9.231 675**
32.5 to 35.0	100	**9.231 676**
32.0 to 33.0	150	**9.231 677**
30.0 to 32.5	750	**9.231 678**
33.5 to 36.0	150	**9.231 679**
35.5 to 39.5	600	**9.231 680**
37.5 to 41.5	100	**9.231 681**
40.0 to 43.5	100	**9.231 682**
42.0 to 46.5	100	**9.231 683**
47.0 to 48.0	75	**9.231 684**

1 Stoppers, cellulose, Steristoppers®

Cellulose, 100% biodegradable and fully compostable autoclavable. Steristoppers® have been proved as an excellent sealing for microbiological samples and tissue cultures in test tubes and Erlenmeyer flasks. They are in constant use in many European microbiological laboratories.

- Sterilisable up to 200°C
- Air permeable
- Disposable
- Money saving
- Labour saving
- Economical
- Tight fitting

Type	For inter. diam. mm	Bottom diam. mm	Top diam. mm	Length mm	PK	Cat. No.
No. 5 S	5.5 to 7.5	5.0	7.0	31	1000	**9.231 205**
No. 7	8.5 to 9.5	8.0	9.5	32	1000	**9.231 207**
No. 9	10.5 to 11.5	10.0	12.0	30	2000	**9.231 209**
No. 10	9.5 to 11.5	9.0	14.0	30	1000	**9.231 210**
No. 12	11.5 to 13.5	11.0	16.0	32	1000	**9.231 211**
No. 13	12.5 to 14.5	11.0	16.0	35	1000	**9.231 212**
No. 13.5 P	13.5 to 14.5	13.0	19.0	33	1000	**9.231 213**
No. 14	13.0 to 14.5	12.0	16.0	40	1000	**9.231 214**
No. 15	13.5 to 15.5	13.0	18.0	39	500	**9.231 215**
No. 18	17.5 to 18.5	17.0	22.0	38	500	**9.231 218**
No. 20	20.5 to 22.0	20.0	23.0	42	400	**9.231 220**
No. 23.5 P	22.5 to 27.0	24.0	30.0	40	500	**9.231 225**
No. 26	26.0 to 27.0	24.0	28.0	42	500	**9.231 226**
No. 29	29.5 to 31.0	28.0	33.0	62	250	**9.231 229**
No. 32	32.5 to 35.0	31.0	36.0	65	100	**9.231 232**
No. 32 P	32.0 to 33.0	31.0	46.0	54	150	**9.231 233**
No. 32 W	32.5 to 35.0	31.0	36.0	65	800	**9.231 231**
No. 34	33.5 to 36.5	33.0	37.0	62	150	**9.231 234**
No. 37	37.5 to 41.5	37.0	45.0	59	100	**9.231 237**
No. 38	40.0 to 43.5	37.0	47.0	60	100	**9.231 238**
No. 40 P	42.0 to 46.5	43.0	50.0	53	100	**9.231 240**
No. 45 P	47.0 to 48.0	44.0	57.0	66	75	**9.231 245**

P = correct fit
W = soft
S = pointed

2 Reaction tube stand, PP

Grey. Numbered positions for 20 x 1.5ml microcentrifuge tubes. Autoclavable (121°C). *BRAND*
Accessories: Adapter (PP) for 0.5ml microtubes.

Array	Internal dimensions (W x L x H) mm	PK	Cat. No.
2 x 10	70 x 210 x 37	1	**9.409 380**
Adapter (20 Units)		20	**7.020 330**

3 Reaction tube stands, PP

Stackable racks with alphanumerical positions. Operating temperature -20°C to +90°C. *BRAND*
Autoclavable at 121°C (2 bar), acc. DIN EN 285. Density 1.2 g/cm³. Will not float in water bath. Racks are supplied in two-pieces (Ø 11 mm, for micro tubes) or three-pieces (Ø 13 mm for cryogenic tubes) for convenient and permanent assembly. L x W x H in mm: 265 x 126 x 38.

Array	Colour	For tubes diam. mm	Length mm	Width mm	Height mm	PK	Cat. No.
8 x 16	White	11	265	126	38	1	**9.409 308**
8 x 16	Blue	11	265	126	38	1	**9.409 309**
8 x 16	Red	11	265	126	38	1	**9.409 312**
8 x 16	Yellow	11	265	126	38	1	**9.409 313**
6 x 14	White	13	265	126	38	1	**9.409 314**
6 x 14	Blue	13	265	126	38	1	**9.409 316**
6 x 14	Red	13	265	126	38	1	**9.409 321**
6 x 14	Yellow	13	265	126	38	1	**9.409 323**

1 Test tube rack Origami, PP

NEW!

Tenak

The Origami Tube Rack is designed to be height adjustable which makes it very flexible and usable for almost any test tube on the market. Depending on the hole diameter the racks can be used for microcentrifuge tubes, cryovials, vacutainers, and 15ml and 50ml falcon tubes. The Origami Tube Rack has a printed alphanumeric grid for easy location of the samples. It is made of polypropylene and can be used in temperatures from -45°C to 60°C. Dimensions (WxDxH): 240 x 120 x 140mm.

No. of tubes	For tubes diam. mm	PK	Cat. No.
45	12.5	5	**9.194 015**
28	18	5	**9.194 016**
15	30	5	**9.194 017**

2 Microtube Racks, 20-Well, PP

Interlocking racks with 2 x 10 array hold 0.5/1.0/1.5/2.0ml tubes.

Polypropylene racks lock together on each side, permitting the user to attach several together to increase capacity. Features an innovative "hold-it" finger slot on the front, and internal ribbing for stability. Autoclavable. Dimensions: 210mm x 90mm x 46mm.

Colour	PK	Cat. No.
blue	1	**9.409 088**
red	1	**9.409 089**
white	1	**9.409 090**

3 3-Way Rack, PP

Heathrow Scientific

Polypropylene racks connect to one another on each end. Snap together for more tube storage. Convenient finger slots are moulded into the rack making them easy to pick up and move. Lowest level has 24 wells to hold individual 0.2ml tubes or strips of 8 or 12 tubes. Middle tier has 14 wells to hold 0.5ml tubes. Top tier has 12 wells to hold 1.5/2.0ml tubes. Autoclavable. Dimensions: 164mm x 123mm x 62mm
Package: 6 racks, colour assorted

Colour	PK	Cat. No.
natural, blue, green, purple, yellow, orange	6	**9.193 990**

4 Tube Racks Rota-Rack® Duo

Heathrow Scientific

Works with PCR® tubes right next to centrifuge tubes. The 0.2ml tube wells oriented in standard 96-well format. Use with PCR® transfer trays. Rotate the rack to work either with 0.2ml tubes and 0.5ml tubes, with 0.2ml tubes and 1.5ml tubes or with 0.5ml tubes and 1.5ml tubes. Or turn a module and work with a total of 96 x 1.5ml tubes. Quickly identify tubes with imprinted alphanumeric system. Autoclavable. Dimensions (L x W x H): 296 x 118 x 34mm

Type	PK	Cat. No.
Tube Rack Rota-Rack® Duo	1	**9.194 000**

5 Tube rack microcentrifuge (1.5ml), PP

NEW!

Kartell

Two-tier, available in four different colours. These versatile racks are autoclavable and can be used dry, in water baths or in freezers. Each rack has an alpha-numeric reference for easy sample identification. Can accomodate 100x1.5ml tubes with closed caps or without caps, and 50x1.5ml tubes with open caps.
Racks are stackable even when loaded and have (purpose) designed label spaces on each side (for bar coding, etc.).

Array	Length mm	Width mm	Height mm	Colour	PK	Cat. No.
100	263	112	85	blue	1	**6.225 714**
100	263	112	85	yellow	1	**6.238 141**
100	263	112	85	grey	1	**6.226 179**
100	263	112	85	red	1	**6.401 579**

1

1 LLG-Microtube rack, stainless steel 18/10

This sloping, combination rack holds 48 x 0.2ml PCR tubes (suitable also for 8 and 12 strips), 30 x 0.5ml tubes and 12 x 1.5ml or 12 x 2.0ml tubes. Resistant against UV sterilisation, ideal for PCR workstations. Autoclavable and heat resistant (200°C).
Dimensions (L x W): 220 x 95mm. Height: front 20mm, back 45mm.

Type	PK	Cat. No.
LLG-Microtube Rack	1	**9.409 000**

2

2 Tube racks 4-Way, PP

Build as large a rack as you need by linking together multiple rack units. Racks feature a unique system of tabs and slots, which facilitate easy assembly and sturdy fit. Heavy-duty polypropylene racks can hold 4 x 50ml or 12 x 15ml conical tubes, 32 x 1.5ml or 32 x 0.5ml microtubes. Autoclavable. Dimensions (L x W x H): 175 x 95 x 51mm.

Colour	PK	Cat. No.
Natural	1	**9.409 131**
Blue	1	**9.409 132**
Green	1	**9.409 133**
Pink	1	**9.409 134**
Yellow	1	**9.409 135**
Orange	1	**9.409 136**
Blue, green, pink, yellow, orange	5	**9.409 137**

3

3 Pop-Up™ Rack, PP

Heathrow Scientific

Robust polypropylene construction. Simple, easy to open and close. Flatten for compact storage. Pops up for instant use. Expand and collapse when racks are needed. Printed grid aids rapid retrieval. Stack racks in open or closed position. Saves space when racks are not in use. Not recommended for steam sterilisation. Dimensions (L x W x H): 255mm x 137mm x 72mm when expanded, 21mm high when collapsed.

Colour	For	PK	Cat. No.
Pink	21 x 15ml and 12 x 50ml tubes	2	**9.193 997**
Blue	21 x 15ml and 12 x 50ml tubes	2	**9.193 998**

4

4 Tube Racks Rota-Rack®, PP

Heathrow Scientific

Interlocked racks. Rotate each of the four modules independently. Use several sizes of test tubes, culture tubes, centrifuge tubes or microcentrifuge tubes at the same time. Autoclavable.
Each module of the Rota-Rack® for large tubes holds 2 x 50ml tubes, 8 x 15ml tubes, 6 x 20mm tubes or 10 x 10/13mm tubes. Each module of the Rota-Rack® for microtubes holds 6 x 15ml tubes, 9 x 1.5/2.0ml tubes, 12 x 0.5ml tubes or 32 x 0.2ml PCR tubes or 4 x 8-tube strips.

Description	Length mm	Width mm	Height mm	PK	Cat. No.
Rota-Rack® for large tubes	224	110	110	1	**9.193 988**
Rota-Rack® for micro tubes	210	100	100	1	**9.193 989**

Wire Racks, epoxy-coated steel

NEW!

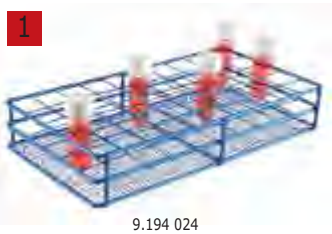
Chemically resistant racks for transport or sample handling. *Heathrow Scientific*

Typ A: Rack suitable for low profile tubes up to a diameter of 25mm or a diameter of 33mm. Mesh bottom support.

Typ B: Support capped tubes 15ml up to 20mm diameter 3x5 format or 50ml tubes up to 30mm diameter 2x4 format. Slotted bottom.

Typ C: Holds bottles 250ml up to 60mm diameter. Slotted bottom

1



9.194 024

2

9.194 025

Type	Array	For tubes diam. mm	Length mm	Width mm	Height mm	PK	Cat. No.
A	2 x 6	25	164	64	32	1	**9.194 021**
A	5 x 10	25	271	145	32	1	**9.194 022**
A	2 x 6	33	212	80	60	1	**9.194 023**
A	5 x 10	33	355	189	60	1	**9.194 024** 1
B	3 x 5	20	127	76	76	1	**6.243 203**
B	2 x 4	30	147	80	89	1	**6.239 754**
C	2 x 3	60	205	135	104	1	**9.194 025** 2

3 Tube rack PP

NEW!

Manufactured from high density polypropylene. Moulded-in alpha numeric grid reference on the top tier of the rack allows easy sample identification. Due to their weights, they do not float in the water baths.
Rack dimensions 140mm x 275mm x 72mm *Isolab*

3

Array	For tubes diam. mm	PK	Cat. No.
50	12 - 13	1	**9.193 141**
50	15 - 16	1	**9.193 142**
50	17 - 18	1	**9.193 143**
45	18 - 20	1	**9.193 144**
26	28 - 30	1	**9.193 145**

4 Tube rack PP

NEW!

Manufactured from high density polypropylene. Due to their weights, they do not float in the water baths, not even in agitated water. These racks are supplied dismantled and can be easily assembled . A moulded-in alpha-numeric grid reference on the top tier of the rack allows easy sample identification. Rack dimensions : 250mm x 110mm x 70mm *Isolab*

4

Array	For tubes diam. mm	PK	Cat. No.
6 x 15	13	1	**9.193 146**
5 x 12	16	1	**6.238 007**
4 x 10	20	1	**7.970 029**
3 x 8	25	1	**9.193 147**
3 x 7	30	1	**6.237 160**

1 2 Test tube racks, PP

BRAND

PP. For all common test tube diameters. Very sturdy design. All openings are widely spaced apart to accommodate screw cap tubes. All racks have the same footprint and can be stacked easily when empty. Modified PP with greater density than water makes them ideal for use in water baths. Large marking area (60 x 12mm) for barcode labels and alphanumeric references for clear sample identification. Racks are supplied in three parts for quick and permanent assembly. Continuous use temperature -20 to +90°C. Autoclavable (121°C). Choice of colours as outlined below.

Array	For tubes diam. mm	Length mm	Width mm	Height mm	Colour	PK	Cat. No.
6 x 14	13	265	126	75	White	1	**9.193 240**
6 x 14	13	265	126	75	Blue	1	**9.193 241**
6 x 14	13	265	126	75	Red	1	**9.193 242**
6 x 14	13	265	126	75	Yellow	1	**9.193 243**
5 x 11	16	265	126	75	White	1	**9.193 230**
5 x 11	16	265	126	75	Blue	1	**9.193 231**
5 x 11	16	265	126	75	Red	1	**9.193 232**
5 x 11	16	265	126	75	Yellow	1	**9.193 233**
5 x 11	18	265	126	75	White	1	**9.193 245**
5 x 11	18	265	126	75	Blue	1	**9.193 246**
5 x 11	18	265	126	75	Red	1	**9.193 247**
5 x 11	18	265	126	75	Yellow	1	**9.193 248**
4 x 10	20	265	126	75	White	1	**9.193 250**
4 x 10	20	265	126	75	Blue	1	**9.193 251**
4 x 10	20	265	126	75	Red	1	**9.193 252**
4 x 10	20	265	126	75	Yellow	1	**9.193 253**
4 x 8	25	265	126	88	White	1	**9.193 255**
4 x 8	25	265	126	88	Blue	1	**9.193 256**
4 x 8	25	265	126	88	Red	1	**9.193 257**
4 x 8	25	265	126	88	Yellow	1	**9.193 258**
3 x 7	30	265	126	88	White	1	**9.193 260**
3 x 7	30	265	126	88	Blue	1	**9.193 261**
3 x 7	30	265	126	88	Red	1	**9.193 262**
3 x 7	30	265	126	88	Yellow	1	**9.193 263**

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3 Tube standing and drying racks, PP

NEW!

Heathrow Scientific

Autoclavable, fiberglass-reinforced polypropylene racks are ideal for bench work or storage of test tubes. Allows easy viewing of tube contents. Does not float in water baths. User can also turn tubes as well as electrophoresis and chromatography plates upside-down and use as a drying rack. The flexible peg design is suitable for tubes with a diameter of 10mm to 13mm and 14mm to 17mm. Includes embossed indexing and drainage holes.

Colour	For tubes	No. of pegs	Length mm	Width mm	Height mm	PK	Cat. No.
White	14 to 17mm	50	188	104	69	1	**6.243 212**
Blue	14 to 17mm	50	188	104	69	1	**6.243 213**
White	10 to 13mm	96	182	126	69	1	**6.243 210**
Blue	10 to 13mm	96	182	126	69	1	**6.243 211**

1 Tube racks, PP

Will not float. Alphanumeric grid referenced on top tier for easy identification of samples. Stackable when empty. Can be used in freezers or water baths. Autoclavable at 121°C for 20 min.

Kartell

Array	For tubes diam. mm	Length mm	Width mm	Height mm	Colour	PK	Cat. No.
90	13	246	105	64	white	1	**6.205 483**
90	13	246	105	64	blue	1	**6.224 460**
90	13	246	105	64	yellow	1	**6.206 439**
90	13	246	105	64	red	1	**9.193 200**
60	16	246	105	72	white	1	**6.205 109**
60	16	246	105	72	blue	1	**6.206 347**
60	16	246	105	72	yellow	1	**6.206 305**
60	16	246	105	72	red	1	**6.204 936**
40	20	246	105	72	white	1	**6.205 110**
40	20	246	105	72	blue	1	**6.206 206**
40	20	246	105	72	yellow	1	**6.224 461**
40	20	246	105	72	red	1	**9.193 201**
40	25	295	125	85	white	1	**6.236 328**
40	25	295	125	85	blue	1	**6.236 329**
40	25	295	125	85	yellow	1	**6.236 330**
40	25	295	125	85	red	1	**9.193 202**
24	30	300	112	85	white	1	**6.207 191**
24	30	300	112	85	blue	1	**7.632 543**
24	30	300	112	85	red	1	**6.401 582**
24	30	300	112	85	yellow	1	**6.204 134**

2 Test tube racks, Type 5970, polyketone

3-tier grid design. Will not float. Single moulding, with no sharp edges or corners. Alphanumeric grid referenced on top tier for easy identification of samples. End plates can be labelled or written on. Autoclavable.

Thermo Scientific

Note: Do not autoclave when loaded with filled test tubes. Do not expose to strong concentrated acids.

Type	Array	For tubes diam. mm	Colour	Length mm	Width mm	Height mm	PK	Cat. No.
5970	6 x 12	13	White	200	102	57	1	**9.194 513**
5970	6 x 12	13	Orange	200	102	57	1	**9.194 523**
5970	6 x 12	13	Yellow	200	102	57	1	**9.194 533**
5970	6 x 12	13	Blue	200	102	57	1	**9.194 543**
5970	6 x 12	13	Green	200	102	57	1	**9.194 553**
5970	6 x 12	13	Red	200	102	57	1	**9.194 563**
5970	6 x 12	16	White	248	127	70	1	**9.194 514**
5970	6 x 12	16	Orange	248	127	70	1	**9.194 524**
5970	6 x 12	16	Yellow	248	127	70	1	**9.194 534**
5970	6 x 12	16	Blue	248	127	70	1	**9.194 544**
5970	6 x 12	16	Green	248	127	70	1	**9.194 554**
5970	6 x 12	16	Red	248	127	70	1	**9.194 564**
5970	4 x 10	20	White	250	102	83	1	**9.194 515**
5970	4 x 10	20	Orange	250	102	83	1	**9.194 525**
5970	4 x 10	20	Yellow	250	102	83	1	**9.194 535**
5970	4 x 10	20	Blue	250	102	83	1	**9.194 545**
5970	4 x 10	20	Green	250	102	83	1	**9.194 555**
5970	4 x 10	20	Red	250	102	83	1	**9.194 565**
5970	4 x 10	25	White	300	121	92	1	**9.194 516**
5970	4 x 10	25	Orange	300	121	92	1	**9.194 526**
5970	4 x 10	25	Yellow	300	121	92	1	**9.194 536**
5970	4 x 10	25	Blue	300	121	92	1	**9.194 546**
5970	4 x 10	25	Green	300	121	92	1	**9.194 556**
5970	4 x 10	25	Red	300	121	92	1	**9.194 566**
5970	3 x 8	30	White	283	121	83	1	**9.194 517**
5970	3 x 8	30	Orange	283	121	83	1	**9.194 527**
5970	3 x 8	30	Yellow	283	108	83	1	**9.194 537**
5970	3 x 8	30	Blue	283	108	83	1	**9.194 547**
5970	3 x 8	30	Green	283	108	83	1	**9.194 557**
5970	3 x 8	30	Red	283	108	83	1	**9.194 567**

Also available in half sizes (Type 5972).

3 Reaction tubes stand, PE-coated wire

PE-coated wire. For 4 x 12 reaction vessels 1.5ml, distance between compartments is 5mm. With two handles.

Array	Length mm	Width mm	Height mm	PK	Cat. No.
4 x 12	250	90	40	1	**9.409 390**

1 Test tube racks, wire/nylon

White nylon coated or stainless steel wire, electrochemically polished. 3-tier design, second tier approximately 30mm high. For 50ml test tubes.

Hole size: approx. 30 x 30mm

Distance between each compartment: approx. 5mm

Type	Array	Length mm	Width mm	Height mm	PK	Cat. No.
Nylon coated wire	4 x 2	150	80	80	1	**9.193 970**
Nylon coated wire	5 x 2	190	80	80	1	**9.193 972**
Nylon coated wire	6 x 2	230	80	80	1	**9.193 974**
Stainless steel wire	4 x 2	150	80	80	1	**9.193 971**
Stainless steel wire	5 x 2	190	80	80	1	**9.193 973**
Stainless steel wire	6 x 2	230	80	80	1	**9.193 975**

2 Test tube racks, wire/nylon

Wire with white nylon coating. 3-tier design , second tier approximately 30mm high. Opening size 18 x 18mm. Temperature resistant up to 80°C max.

Array	Height mm	PK	Cat. No.
2 x 6	70	1	**9.193 762**
2 x 10	70	1	**9.193 764**
2 x 12	70	1	**9.193 766**
3 x 12	70	1	**9.193 768**
4 x 6	70	1	**9.193 772**
4 x 12	70	1	**9.193 774**
10 x 10	70	1	**9.193 776**
2 x 12	100	1	**9.193 784**
4 x 12	100	1	**9.193 788**

9.409 014

LLG-Test tube racks, self-aligning, stainless steel

NEW!

Robust stainless steel (brushed) test tube racks. Due to the special construction the racks align the test tubes automatically so that the tubes are more comfortable to use. Contamination from vessel to vessel is also reduced as the tops of the tubes do not touch. Dishwasher safe, steam autoclavable, suitable for dry heat (200°C) and water bath. Each rack holds up to 50 test tubes.

For neck dia. mm	Int. bore diam. mm	Dimensions (L x W x H) mm	PK	Cat. No.
12	13.5	184 x 102 x 75	1	**9.409 012**
14	15.5	202 x 110 x 75	1	**9.409 013**
16	17.5	224 x 120 x 75	1	**9.409 014**

4 Test tube stands, wood

Two tier with rods. For tubes up to 18mm diameter.

Array	For tubes diam. mm	PK	Cat. No.
2 x 6	18	1	**9.193 012**
2 x 9	18	1	**9.193 018**
2 x 12	18	1	**9.193 024**

1 Test tube racks, PP

Blue. For tubes up to 18mm in diameter. Autoclavable and unbreakable. Can be dismantled. Can be recycled.

Array	For tubes diam. mm	PK	Cat. No.
12	18	1	**9.193 112**
24	18	1	**9.193 124**

2 Test tube racks, stainless steel

Corrosion resistant, stainless steel wire. Electrochemically polished.
Opening size 18 x 18mm. Mesh grid levels are positioned at the top and 30mm above the base.

Array	Height mm	PK	Cat. No.
2 x 12	70	1	**9.193 824**
3 x 12	70	1	**9.193 836**
4 x 12	70	1	**9.193 848**
4 x 12	100	1	**9.193 948**

3 Test tube holders, wood

Wood with metal spring.

For neck dia. mm	PK	Cat. No.
Up to 20	1	**9.193 992**
Up to 30	1	**9.193 993**

4 Containers, PP with lids

BRAND

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
ca. 50	56	25	1	**9.402 415**
ca. 115	75	30	1	**9.402 420**

5 LLG-Sample containers with tamper-evident cap, PS and PP

White with tamper-evident cap. Multi-purpose containers e.g. for storage or transport of samples.

Capacity ml	Diam. mm	Height mm	Material container	Material Lid	PK	Cat. No.
40	36	52	PS	PE-LD	10	**9.402 350**
100	58	58	PP	PP	10	**9.402 353**
250	64	95	PS	PE-LD	10	**9.402 356**
1000	116	116	PP	PP	5	**9.402 359**

6 Jars with snap cap, PE

Slightly tapered with snap cap attached which snaps tightly closed when pressed. *Kartell*

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
1	8	32	100	**9.401 805**
3	14	32	1	**9.401 820**
5	15	49	1	**9.401 822**
7	23	33	1	**9.401 830**
8	17	58	1	**9.401 825**
20	25	75	1	**9.401 835**
25	31	53	1	**9.401 838**
35	31	75	1	**9.401 840**

1 Jars with screw cap, PE-HD

Heavy walled jar and screw cap with cone liner. *Kartell*

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
5	21	36	1	**9.401 850**
10	21	58	1	**9.401 851**
30	35	53	1	**9.401 852**
60	35	94	1	**9.401 853**
90	55	63	1	**9.401 854**
180	55	110	1	**9.401 855**

2 Sample containers, PP with snap on caps, PE-LD

Transparent. *VITLAB*
With PE-LD snap-on lid. Conical shape.
Food-safe product according to EC Directive No. 10/2011.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
5	20	25	1	**9.402 770**
12	22	37	1	**9.402 774**
18	22	57	1	**9.402 776**
50	30	97	1	**9.402 782**
160	50	110	1	**9.402 784**

3

3 Rolled rim bottles, AR glass with PE snap-on lid

With PE snap-on lid. Tight closing.

Capacity ml	Height mm	Diam. mm	PK	Cat. No.
3	30	19	200	**9.400 211**
5	40	19	200	**9.400 215**
10	50	21	200	**9.400 220**
10	45	22	200	**9.400 225**
15	52	24	200	**9.400 235**
20	55	27	200	**9.400 240**
20	70	25	200	**9.400 250**
25	50	30	250	**9.400 230**
30	75	28	200	**9.400 260**
40	80	30	200	**9.400 270**
50	100	30	200	**9.400 280**
100	145	34	100	**9.400 290**

4 5

9.070 321

9.070 322

Sample containers, PS, with metal cap, sterile

NEW!

Ideal for sample collection and storage. Made of virgin polystyrene. All materials are non-cytotoxic. For In Vitro use only. CE Marked in accordance with the European Directive 98/79/CE. The metal cap with inert PVC-Liner ensures leak proof seal.

Capacity ml	PK	Cat. No.
60	300	**9.070 321** 4
100	200	**9.070 322** 5
250	50	**9.070 323**

6 Multi-purpose jars, PS

Multi-purpose, Polystyrene jar without cap. *Thermo Scientific*
Please order cap separately.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
12,5	27	29	1000	**4.008 637**
20,0	27	41	2400	**4.008 944**
30,0	27	60	1200	**4.009 104**
50,0	41	49	800	**4.008 750**
100,0	53	54	300	**4.008 570**
100,0*	53	54	100	**6.230 948**

*sterile with lid

1 Lids, PE for multi-purpose jars, PS

Thermo Scientific

For jars ml	PK	Cat. No.
12,5 / 20 / 30	4000	**4.008 824**
50	2400	**4.008 825**

2 LLG-Round sample containers, PP

White with screwed on lid.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
30	58	17	10	**9.402 310**
75	58	45	10	**9.402 313**
310	81	79	10	**9.402 318**
600	119	65	10	**9.402 321**
1250	119	128	5	**9.402 324**

3 Jars, PP with PP screw cap

White, complete with red PP screw cap, in safe pack with certificate of analysis.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
25	31	40	25	**7.077 661**
90	52	52	25	**7.077 852**
125	52	67	25	**7.085 372**
250	68	79	20	**7.053 933**
500	75	97	9	**7.052 896**
625	90	113	6	**7.051 092**
1000	102	127	3	**7.052 895**
1250	102	155	3	**7.053 930**

4 Jars with screw cap, PP

Transparent. Excellent chemical resistance. Autoclavable - undo cap before autoclaving. *Thermo Scientific*

Capacity ml	Screw cap diam. mm	PK	Cat. No.
15	38	12	**9.033 230**
30	43	12	**9.033 231**
60	53	12	**9.033 232**
125	70	12	**9.033 233**
250	70	6	**9.033 234**
500	120	6	**9.033 235**
1000	120	6	**9.033 236**

5 Jars, PE-HD with cap, PE-LD

PE-HD with PE-LD cap. Resistant to acids and chemicals. Suitable for cold storage rooms, refrigerators and freezers. Stackable. Food safe. Color: natural.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
200	98	42	1	**9.033 201**
400	114	55	1	**9.033 202**
700	114	88	1	**9.033 211**
1000	136	110	1	**9.033 212**
2000	169	143	1	**9.033 213**

6 Jars with screw cap, PC

Cylindrical. Very durable. Stackable. Non-toxic. Suitable for cold storage rooms and refrigerators. Autoclavable - remove cap before autoclaving. *Thermo Scientific*

Capacity ml	Screw cap diam. mm	Colour	PK	Cat. No.
15	38	transparent	4	**9.033 237**
30	43	transparent	4	**9.033 238**
60	53	transparent	4	**9.033 239**
125	70	transparent	4	**9.033 240**
250	70	transparent	4	**9.033 241**
500	120	transparent	4	**9.033 242**

1 Cylindrical jars with ribbed cap, PE-HD

The cylindrical jars are supplied with insert and cap. Thanks to the large neck they are suitable for powders, solid specimen, creamy or semisolid substances, crystals and hygroscopic substances.
Suitable for foodstuff.

Kartell

Capacity ml	Diam. mm	Height mm	Neck i. d. mm	PK	Cat. No.
70	50	60	36	1	**6.205 920**
120	56	71	36	1	**6.206 304**
250	69	94	50	1	**6.205 857**
500	86	107	70	1	**6.205 921**
1000	111	128	85	1	**6.205 922**
1500	111	182	87	1	**6.226 130**
2000	111	235	87	1	**6.223 901**

2 Storage jars, series 376, PE-HD

Natural round jars without lid. The wide mouth allows for easy filling and cleaning. Black caps available with PE foam leakproof wad - please order separately.

Kautex

Capacity ml	Thread external dia. mm	Height mm	PK	Cat. No.
100	40	77	1	**9.073 388**
250	50	98	1	**9.073 389**
500	65	122	1	**9.073 390**
750	65	130	1	**9.073 391**
1000	80	153	1	**9.073 392**
1500	80	173	1	**9.073 393**
2000	80	192	1	**9.073 394**

Height in mm without lid.

3 Caps for storage jars, series 376, PP

Black, screw cap with PE-foam insert.

Kautex

For jars ml	Thread external dia. mm	PK	Cat. No.
100	40	1	**9.073 071**
250	50	1	**9.073 072**
500 and 750	65	1	**9.073 073**
1000, 1500 and 2000	80	1	**9.073 074**

4 Wide mouth containers, PET

Transparent with white polypropylene cap.
Round, except 2000ml which is square.

Behr

Capacity ml	Cap diam. mm	Ext. diam. mm	Height mm	PK	Cat. No.
100	70	74	37	10	**9.103 136**
250	70	85	75	10	**9.103 137**
500	82	88	107	10	**9.103 138**
2000	100	133	180	10	**9.103 140**
2500	100	135	210	10	**9.103 148**
3000	100	145	210	10	**9.103 149**

1 Sample jars with screw cap, PFA

VITLAB

With screw cap made of PFA. Cylindrical, tall shape.
Ideal for sample collection, transport and storage of samples.
The advantages of PFA
- Specially suitable for use in trace analysis
- Ideal for sensitive and valuable samples
- Long-term maintenance of low-concentration reference materials in PFA containers
- No memory effects
- Practically no carryover, no cross-contamination due to the extremely hydrophobic, anti-adhesive, smooth surfaces
- High thermal stability from -200°C to +260°C, autoclavable at 121°C (2 bar) according to DIN EN 285
- Chemical inertness against nearly all chemicals
- Good transparency and dimensional stability
- Easy to clean
- Use of high purity raw material

Capacity ml	Neck thread GL	Diam. mm	Height mm	PK	Cat. No.
30	40	38	54	1	**9.401 810**
60	40	38	90	1	**9.401 812**
90	56	54	62	1	**9.401 814**
180	56	54	112	1	**9.401 816**

2 Jars, DURAN®, low form

DURAN Group

With removable, drop-on cover. Without handle.

Ext. diam. mm	Height mm	PK	Cat. No.
60	40	1	**9.033 018**
80	50	1	**9.033 026**
100	60	1	**9.033 029**
150	80	1	**9.033 034**

3 LLG-Wide-neck jars, glass

NEW!

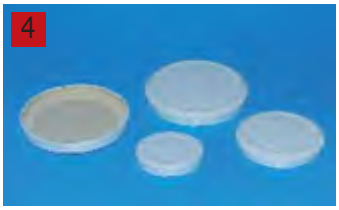
Twist-off jar, wide-neck. Perfect for sample storage. Glass, clear.
Without cap, please order cap separately.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
106	48	78.0	12	**9.070 301**
212	63	80.5	12	**9.070 302**
375	63	120.5	12	**9.070 303**
720	82	148.0	12	**9.070 304**
1062	82	176.0	12	**9.070 305**

4 Cap for LLG wide-neck jars

NEW!

Twist-off screw cap for wide-neck jars



Diam. mm	For	PK	Cat. No.
48	106 ml LLG Twist-Off-jar	12	**9.070 306**
63	212 ml and 375 ml LLG Twist-Off-jar	12	**9.070 307**
82	720 ml and 1062 ml LLG Twist-Off-jar	12	**9.070 308**

5 Bottle carriers, wire/PE

Made of PE coated wire.
For carrying laboratory bottles of various sizes.
With base and fixed carrying handle.

For bottles ml	Int. diam. mm	Height mm	PK	Cat. No.
4 x 2000	130	110	1	**9.102 204**
6 x 2000	130	110	1	**9.102 206**
8 x 2000	130	110	1	**9.102 208**
10 x 2000	130	110	1	**9.102 210**
4 x 1000	100	100	1	**9.102 214**
6 x 1000	100	100	1	**9.102 216**
8 x 1000	100	100	1	**9.102 218**
10 x 1000	100	100	1	**9.102 220**
4 x 250	80	80	1	**9.102 224**
6 x 250	80	80	1	**9.102 226**
8 x 250	80	80	1	**9.102 228**
10 x 250	80	80	1	**9.102 230**
12 x 250	80	80	1	**9.102 232**

1

1 Bottle carriers, wire/plastic coated

Plastic-coated. Strong wire frame.

For bottles ml	PK	Cat. No.
4 x 1000	1	**9.102 321**
2 x 2500	1	**9.102 322**

2

2 3 Safety box DURAPorter™, PC

NEW!

Heathrow Scientific

Ideal for transporting biological and clinical samples, as well as instruments and products that you want to keep clean and dry under testing environmental conditions.
The clarity of the DuraPorter™ enables the user to visibly check sample integrity, so that it can be opened using the right precautions.
- Polycarbonate construction and available in three colors for use/owner identification
- Silicone water-tight seal and three lid clasps provide secure closure
- Carry handle folds neatly into body space allowing the units to be stacked
- Lid opens a full 180°, allowing total access to contents and making it easier to clean
- Will accommodate 13 and 16 mm tubes in a 72-place OneRack™, or similar sized/brand of rack
- Use the separators provided to create your own compartment sizes, or use empty to transport larger products and equipment
- Autoclavable
- Dimensions (WxDxH): 380 x 160 x 196 mm

3

Colour	PK	Cat. No.
Clear with blue handles	1	**9.194 005**
Yellow with yellow handles	1	**9.194 006**
Red with red handles	1	**9.194 007**

4

4 Cleaning baskets, stainless steel wire

With cover, made of non-rusting, electrochemically polished, stainless steel wire. For washing hardware. Frame, base and cover made of 8 x 8 x 1.2mm spot welded wire mesh.

L x W x H approx. 250 x 150 x 150mm.

Type	PK	Cat. No.
Cleaning basket	1	**9.908 130**

1 Transport baskets, stainless steel wire

Non-rusting stainless steel, electrochemically polished. With fold down handle that locks into position. Handle with plastic moulding. Made of 8 x 8 x 1.2mm diameter spot welded wire mesh. Base reinforced with two rods.

Width mm	Length mm	Height mm	PK	Cat. No.
300	400	200	1	**9.143 090**

2 Wire baskets, wire/nylon

White. Nylon coated, strong wire.

Width mm	Length mm	Height mm	PK	Cat. No.
100	100	100	1	**9.033 341**
120	120	120	1	**9.033 342**
140	140	140	1	**9.033 344**
160	160	160	1	**9.033 346**
200	200	200	1	**9.033 350**

3 Wire baskets, stainless steel

Polished stainless steel wire.

Width mm	Length mm	Height mm	PK	Cat. No.
100	100	100	1	**9.033 410**
120	120	120	1	**9.033 412**
140	140	140	1	**9.033 414**
160	160	160	1	**9.033 416**
180	180	180	1	**9.033 418**
200	200	200	1	**9.033 420**
200	300	200	1	**9.033 430**
200	400	200	1	**9.033 440**

4 Aquaria, soda-lime glass

Thick- walled with coarse ground rim.

Width mm	Depth mm	Height mm	PK	Cat. No.
100	100	100	1	**9.003 906**
100	150	150	1	**9.003 920**
130	180	180	1	**9.003 932**
150	200	200	1	**9.003 941**
180	250	220	1	**9.003 951**
220	300	240	1	**9.003 954**
230	360	260	1	**9.003 964**

5 Display boxes, PS

Polystyrol. Heavy duty, industrial quality. Stackable (lengthways and crosswise). With RAL certificate. Shock-resistant, high impact PS. Food safe colors. Smooth underbody, therefore suitable for transport.

Colour	Width mm	Length mm	Height mm	PK	Cat. No.
red	100	165/140	75	1	**9.033 121**
blue	100	165/140	75	1	**9.033 123**
green	100	165/140	75	1	**9.033 124**
red	145	232/200	125	1	**9.033 131**
blue	145	232/200	125	1	**9.033 133**
green	145	232/200	125	1	**9.033 134**
red	200	336/300	150	1	**9.033 141**
blue	200	336/300	150	1	**9.033 143**
green	200	336/300	150	1	**9.033 144**

1

1 Stacking boxes, PP

PP. May be stacked and linked with reinforcing and stacking ribs. Smoothly rounded, without corners. Easy to clean. Two sintered metal straps are located on the lid as lid clamps.

9L capacity — Dim. (W x L x H): 212 x 350 x 165mm
29L capacity — Dim. (W x L x H): 360 x 440 x 240mm

Colour	Capacity litres	PK	Cat. No.
red	9	1	**9.301 460**
red	29	1	**9.301 470**
blue	9	1	**9.301 463**
blue	29	1	**9.301 473**

2

2 Storage, Stacking and transport containers, PP/PE-HD

White. Thermoplastic resin.
The raw material used is physiologically compatible and corresponds with the directives of the Federal Board of Health.

Capacity Litres	Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	Material	PK	Cat. No.
9	510 x 310 x 60	560 x 360 x 64	PP	1	**9.301 643**
10	410 x 310 x 85	445 x 345 x 90	PP	1	**9.301 641**
23	395 x 295 x 200	460 x 330 x 210	HDPE	1	**9.301 663**
28	600 x 400 x 120	660 x 450 x 130	HDPE	1	**9.301 647**
31	480 x 410 x 160	550 x 450 x 170	HDPE	1	**9.301 645**
35	530 x 315 x 210	600 x 350 x 220	HDPE	1	**9.301 661**
50	600 x 400 x 210	660 x 450 x 220	HDPE	1	**9.301 649**
96	600 x 400 x 400	660 x 450 x 410	PP	1	**9.301 651**

3

3 Lids for storage, stacking and transport containers.

Depth mm	Width mm	For	PK	Cat. No.
660	450	9.301 647 / 649 / 651	1	**9.301 655**
460	330	9.301 663	1	**9.301 664**

4

4 Collapsible boxes, PP

PP. Dim. (WxDxH): 470 x 340 x 240mm.

Capacity Litres	Colour	PK	Cat. No.
30	Black	1	**9.301 469**

5

5 Transport and storage containers, PE-HD

Stackable. *Kartell*

Width mm	Length mm	Height mm	PK	Cat. No.
415	315	200	1	**9.301 538**
595	365	255	1	**9.301 556**
695	440	306	1	**9.301 566**

Trolleys please see page 260

1 Euro-boxes, aluminium alloy

- High strength, corrosion resistant aluminium alloy
- Stainless steel hinges
- Cover for protection against dust and water
- Strengthened rim
- Cover clamp straps
- Can be secured with lead seal, padlock or fitted lock
- Stackable
- Impact resistant, blue plastic stacking brackets

Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	Capacity litres	Weight g	PK	Cat. No.
350 x 250 x 310	400 x 300 x 340	27	3000	1	**9.301 356**
550 x 350 x 220	600 x 400 x 250	42	4700	1	**9.301 357**
550 x 350 x 310	600 x 400 x 340	60	4900	1	**9.301 358**
550 x 350 x 380	600 x 400 x 410	73	5200	1	**9.301 359**
750 x 350 x 310	800 x 400 x 340	81	6100	1	**9.301 360**
750 x 550 x 380	800 x 600 x 410	157	7500	1	**9.301 361**
750 x 550 x 580	800 x 600 x 610	239	8900	1	**9.301 362**

Usable dimensions approx. 30mm less than internal dimensions.

2 Storage boxes, PE-HD with tightly closing PE-LD lid

PE-HD. With tightly closing PE-LD lid. Suitable for cold storage rooms and refrigerators. Temperature range/withstands temperatures (without mechanical stress) from -40 to +95°C. Stackable. Acid and chemical resistant. Food safe. Colour: natural.

Capacity Litres	Width mm	Length mm	Height mm	PK	Cat. No.
0.50	103	103	64	1	**9.033 270**
1.00	103	103	127	1	**9.033 275**
1.00	103	208	64	1	**9.033 280**
1.50	103	208	94	1	**9.033 285**
2.00	103	255	94	1	**9.033 286**
2.00	208	208	64	1	**9.033 287**
3.20	208	208	94	1	**9.033 288**

3 LLG-Buckets white with lid, PP

NEW!

For transport, packaging and storage of foodstuffs, building materials and non-corrosive chemicals

Capacity Litres	PK	Cat. No.
1	1	**9.040 030**
2	1	**9.040 031**
3	1	**9.040 032**
5	1	**9.040 033**
10	1	**9.040 034**

4 LLG- Buckets, PP

Round version 10L with metal handle, graduated, white.

Capacity Litres	Colour	PK	Cat. No.
10	white	1	**9.040 216**

1 Buckets, PE-HD

White. Without spout. With division into 1L segments. *VITLAB*
Stable handle with reinforcement in the middle for comfortable carrying.
Tightly closing, transparent PE-LD lid - please order separately.

Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
5	250	240	1	**9.040 006**
10	290	300	1	**9.040 012**

Lids PE-LD for buckets PE-HD

VITLAB

For bucket l	PK	Cat. No.
5	1	**9.040 206**
10	1	**9.040 212**

2 Buckets with spout, PP

Transparent. With division into 1L segments. *VITLAB*
With stable handle and spout for easy emptying.
Highly resistant to chemicals. Without lid.
Food-safe product according to EC Directive No. 10/2011.

Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
12	310	330	1	**9.040 022**
15	310	370	1	**9.040 025**

3 Buckets, series 610/615, PE-LD

Graduated. *Kautex*
- thick-walled
- very stable
- durable
- litre scale
- laboratory and industrial bucket (white) with plastic coated steel carrying handle
- builder's bucket (grey) with rust-free handle

Type 1: with spout
Type 2: without spout

Type	Capacity Litres	Colour	Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
1	10	white	193	280	300	1	**9.040 110**
1	15	white	235	316	335	1	**9.040 115**
2	10	white	212	253	279	1	**9.040 010**
2	10	grey	212	253	279	1	**9.040 011**

4 Buckets, 18/10 steel

Graduated. With handle. *Bochem*
Lids - Order separately.

Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
6	260	190	1	**9.040 325**
10	280	235	1	**9.040 330**
12	300	270	1	**9.040 332**
15	310	305	1	**9.040 335**

1 Lids for buckets 18/10 stainless steel

RSG

For buckets	Diam. mm	PK	Cat. No.
6L	260	1	**7.623 893**
10L	280	1	**6.901 567**
12L	300	1	**7.636 628**
15L	310	1	**7.612 465**

2 Transport containers with lid and handle, 18/10 steel

Bochem

Height mm	Diam. mm	Capacity Litres	PK	Cat. No.
155	100	1	1	**9.039 921**
170	135	2	1	**9.039 922**
185	160	3	1	**9.039 923**
240	180	5	1	**9.039 925**
280	180	6	1	**9.039 926**
280	225	10	1	**9.039 928**

3 Aspirator Bottles, wide mouth, PE-HD

Suitable for food. With carrying handle. Ideal for containing liquids, powders and granules. Very strong and durable quality for extended use over time. With gasket in the screw cap and additional inner cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops.

Capacity Litres	Neck Int. diam. mm	Neck Ext. dia. mm	Body diam. mm	Height mm	Handle	PK	Cat. No.
5	84	94	170	350	1	1	**9.139 938**
10	99	109	210	420	1	1	**9.139 939**

4 Aspirator Bottles, narrow neck, PE-HD

With carrying handle. Suitable for food. Very strong and durable quality for extended use over time. With gasket in the screw cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops. With thread of 12 mm depth for use with a ¾" stopcock. Please order the stopcock separately (Cat. No. 9.109 937). The bottles can be used in ambient temperatures below 0°C.

Capacity Litres	Neck Int. diam. mm	Neck Ext. dia. mm	Body diam. mm	Height mm	Handle	PK	Cat. No.
5	52	62	160	350	1	1	**9.139 929**
10	52	62	210	430	1	1	**9.139 930**
25	84	97	270	570	2	1	**9.139 931**
50	84	97	350	690	2	1	**9.139 932**

1

1 Aspirator Bottles, narrow neck, PE-HD, with stopcock

With carrying handle and ¾" stopcock. Thread and opening for stopcock provided. Suitable for food. Very strong and durable quality for extended use over time. With gasket in the screw cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops. The bottles can be used in ambient temperatures below 0°C.

Capacity	Neck Int. diam.	Neck Ext. dia.	Body diam.	Height	Handle	PK	Cat. No.
litres	mm	mm	mm	mm			
5	52	62	160	350	1	1	**9.139 933**
10	52	62	210	430	1	1	**9.139 934**
25	84	97	270	570	2	1	**9.139 935**
50	84	97	350	690	2	1	**9.139 936**

2

2 Stopcock, ¾", for Aspirator bottles

For 9.139 933 to 9.139 936 and 9.139 929 to 9.139 932.

Type	PK	Cat. No.
Tap for aspirator bottles	1	**9.139 937**

1 Storage bottles, PE-HD

Natural, narrow-neck storage bottles with or without scale.
Storage vessel with drain made of food-safe polyethylene
- With UV protection for long life
- Resistant to acids and chemicals
- Special colour and printing possible
- With metal carrying belt
- With threaded plug and wide thread 22mm
- with white screw cap Ø 65mm
- with 2 O-rings/seals

Other sizes available on request.

Please order stopcocks and adapter for stopcocks with R 1/2" separately.

Description	Capacity Litres	Ext. diam. mm	Height mm	PK	Cat. No.
Aspirator bottles, without scale	5	167	348	1	**9.002 601**
Aspirator bottles, without scale	10	210	427	1	**9.002 602**
Aspirator bottles, without scale	25	275	580	1	**9.002 603**
Aspirator bottles, with scale	5	167	348	1	**9.002 606**
Aspirator bottles, with scale	10	210	427	1	**9.002 607**
Aspirator bottles, with scale	25	275	580	1	**9.002 608**
Stopcock with sleeve connection 19mm (3/4")				1	**6.253 481** 2
Adapter for stopcocks with R 1/2"				1	**6.227 536**
Angled stopcock, straight, with sleeve connection 12mm (1/2")				1	**9.002 670** 3
Angled stopcock, curved, with sleeve connection 12mm (1/2")				1	**9.002 671**

1

2

6.253 481

3

9.002 670

4 Aspirator bottles, series 350, PE-HD

Natural with printed blue graduations (in L) and screw closure. With or without threaded connection at base. Inside neck diameter 50mm. *Kautex*
Please order stopcock separately.

Capacity Litres	Stopcock connection	Handle	Ext. diam. mm	Height mm	PK	Cat. No.
5	without	1	167	330	1	**9.011 009**
10	without	1	206	427	1	**9.011 010**
25	without	2	278	580	1	**9.011 025**
60	without	2	346	823	1	**9.011 060**
5	with	1	167	330	1	**9.011 069**
10	with	1	206	427	1	**9.011 071**
25	with	2	278	580	1	**9.011 072**
60	with	2	346	823	1	**9.011 076**

Height in mm without cap.

4

5 Accessories for series 350 aspirator bottles

Type	Figure	PK	Cat. No.
Stopcock, blue PE-HD	a	1	**9.011 181**
Blanking plug, natural PE-HD	b	1	**9.011 170**
Stopcock, blue PP	c	1	**9.139 997**
Reducer, blue for 9.193 997	d	1	**9.011 078**

5

1

2

1 2 Bottles Type 2250 with handle, PP

Thermo Scientific

With 83mm diameter. With screw cap and shoulder handles. Graduated. For nutritive media, distilled water or other solutions. Leakproof. Not for use with aggressive substances. Neck also accepts stoppers, 36mm in height and a top/bottom diameter of 75/62mm. Autoclavable - for best results, autoclave using a properly vented closure.

Type	Capacity Litres	Description	PK	Cat. No.
2250	10	with stopcock	1	**9.002 721**
2250	20	with stopcock	1	**9.002 722**
2250	50	with stopcock	1	**9.002 723**
2250	10	without stopcock	1	**9.011 102**
2250	20	without stopcock	1	**9.011 103**
2250	50	without stopcock	1	**9.011 104**

3

3 Aspirator carboys with tab, Type 2322, PC

Thermo Scientific

Transparent. With PP stopcock. Graduated. Leakproof. Robust. Suitable for use in cold rooms. Autoclavable, before autoclaving, unscrew cap and set on bottle neck.

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2322	9	216	146	362	1	**9.139 916**
2322	20	318	219	381	1	**9.139 917**

4

4 Aspirator carboys Type 2320, PE-HD

Thermo Scientific

With PP stopcock. Graduated. Leakproof. Stable. Rigid. Suitable for use in cold rooms.

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2320	9	216	146	356	1	**9.139 918**
2320	20	318	219	381	1	**9.139 919**

5

5 Aspirator carboys Type 2321, PP

Thermo Scientific

Aspirator carboy with screw cap and stopcock made of PP. With stainless steel handle. Graduated. Inside diameter of 86mm neck opening. Robust. Autoclavable only when empty, before autoclaving, unscrew cap.

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2321	9	216	146	356	1	**9.139 921**
2321	20	318	219	381	1	**9.139 922**

6

6 Carboys Type 2211, PE-HD

Thermo Scientific

With PP screw cap. Robust. Space-saving. With graduations and stainless steel handles. Inside diameter 86mm neck opening. The 20L carboy has recessed handles.

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2211	9	216	146	343	1	**9.139 906**
2211	20	318	219	381	1	**9.139 907**

1 Stopcocks, quick action Type 6422, 6432 , PP or ETFE

Thermo Scientific

Type 6422 PP. Autoclavable. Standard stopcock with quick acting closure. Accepts tubing with an inside diameter of up to 16mm. For tubing with an inside diameter of 6.4mm to 7.9mm. PE-HD adapter is provided.

Type 6432. Autoclavable. Housing and plugs made of Tefzel® ETFE. For tubing with an inside diameter of 6.4mm to 7.9mm. Without adapter.

Type	Material	PK	Cat. No.
6422	PP	1	**9.139 925**
6432	ETFE	1	**9.139 926**

Tefzel® is registered trademark of DuPont.

1

2 3 Space saving jerrycan Flachmann LaboPlast®, PP

The compact jerrycan Flachman is ideal as a space-saving canister with a width of only 6.5cm. Different liquids can be stored and decanted in a small space. Flachmann can also be stored lying on its side eg. in a refrigerator. It is very stable due to ribbed structure and thick sides. Using the support stand for two or three canisters, any number of canisters can safely be placed in the open. The compact jerrycan can also be used as a settling canister.

- With or without threaded connector 3/4"
- PP, transparent
- Canister without valve autoclavable
- Volume: 5L
- Dimensions (WxDxH): 65 x 335 x 335mm
- Graduations: 250ml
- With moulded, indestructible litre graduation

Space-saving Compact set: Flachmann LaboPlast® canister and Compact stopcock
The Flachmann canister is ideal to store and decant liquids in a small space. The Compact stop cock for canisters and barrels features an impressive compact design, which not overlaps the footprint of the canister and there fore can be stored an places e.g. within a refigerator or rack without screwing off the stop-cock.

Type	PK	Cat. No.
with screw neck, with tamper-evident cap, PP, blue	1	**9.140 002**
without screw neck, with tamper-evident cap, PP, blue	1	**9.140 001**
Compact jerrycan & Compact stop cock set (9.140 003)	1	**9.140 004**
Compact jerrycan & stop cock set (9.139 997)	1	**9.140 011**

2

3

1

9.139 997

2

9.140 003

3

9.140 000

Stop cocksLaboPlast®

Bürkle

StopCock Siphon
- With rotatable spout, preventing drips
- With tapered spout for bottles with narrow openings from diameter 6mm to 8mm
- Fits screw threads with R ¾"
- Pressure proof to 2 bar at 20°C without discharge angle
- Seals made of PTFE und PE, parts in contact with media made of PP, PE and PTFE

StopCock Compact
- Compact design, the short discharge does not protrude
out over the lower edge of the container
- The specially optimised design of the discharge forms an even stream of liquid with no splashing or spattering
- The Compact stop cock fits all containers with R ¾" connecting threads
- PP, PE and PTFE are materials that offer outstanding chemical resistance to acids and bases

StopCock PA
- Made of polyamide electroconductive, can be grounded separately
- Ideally suited for solvents
- Inexpensive alternative to stainless steel stopcocks
- PTFE seal
- Including adapter for ¾" inner thread made of PA electroconductive
- Fits all containers with ¾" outer thread and with included adapter, to all ¾" inner threads
- Pressure proof to 2 bar at 20°C without discharge angle

Type	PK	Cat. No.	
StopCock Siphon	1	**9.139 997**	1
StopCock Compact	1	**9.140 003**	2
StopCock PA	1	**9.140 000**	3

4

4 Wide-mouth jerrycans, PE-HD

PE-HD. 88mm neck opening. Offers UV protection. With thread and stopper on the narrow side. Wide thread 22mm. Food safe. Angle valves for 9.002 670 and 9.002 671, 10L variant with additional small spout.

Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
10	154	302	397	1	**9.139 975**
22	180	370	475	1	**9.139 970**

5

5 Angled stopcocks, PE-HD

PE-HD. With spout attachment 12mm (1/2") diameter and 22mm threaded connector. For bottles and wide-mouth carboys. Acid and chemical resistant, pressure resistant up to 1.5 bar. For 9.139 975 and 9.139 970. Food safe.

Description	PK	Cat. No.
Angled stopcock, straight	1	**9.002 670**
Angled stopcock, curved	1	**9.002 671**

1 Jerrycan with integrated spout, PE-HD

NEW!

Hünersdorff

Jerrycan in stable design for varied applications in profession and leisure made of food-safe polyethylene (PE-HD)
- UV protection for long life
- Especially suitable for drinking water and food
- space-saving and stackable
- integrated spout with wide thread
- With transparent PE-protective film
- Blue screw cap Ø 65mm
- With threaded plug and wide thread 22mm

Capacity Litres	Width mm	Length mm	Height mm	PK	Cat. No.
10	350	165	310	1	**9.002 611**
20	350	165	495	1	**9.002 612**

2 Carboys behroplast®, PE

Polyethylene, with welded stopcock. Leakproof, even after prolonged use.

Behr

Capacity Litres	Width mm	Length mm	Height mm	PK	Cat. No.
5	160	190	240	1	**9.140 100**
10	190	190	360	1	**9.140 101**
15	170	380	370	1	**9.140 097**
20	250	280	370	1	**9.140 098**
25	240	300	450	1	**9.140 099**
30	260	300	450	1	**9.140 102**
60	330	390	670	1	**9.140 103**

3 Carboys, PE-HD

White, transparent with wide screw cap and handle.

Behr

Capacity Litres	Length mm	Width mm	Height mm	Neck	PK	Cat. No.
5	130	160	280	Ø 85 mm	1	**6.302 202**
15	380	170	370	Ø 80 mm	1	**6.201 006**

4 Industrial jerrycans, PE-HD

Jerrycans with capacity of 2 to 30L.
Please order closures separately.

Kautex

Capacity L	Width mm	Depth mm	Height mm	Weight g	Thread external dia. mm	Colour	PK	Cat. No.
2.00	145	109	196	110	45	natural	1	**9.140 021**
2.50	153	115	208	125	45*	natural	1	**9.140 022**
3.00	153	115	240	140	45*	natural	1	**9.140 023**
5.00	190	145	251	250	50*	natural	1	**9.140 025**
6.00	192	145	294	265	45	natural	1	**9.140 026**
8.00	230	190	270	320	45	natural	1	**9.140 027**
10.00	230	190	310	450	50*	natural	1	**9.140 030**
20.00	290	246	385	950	60*	blue	1	**9.140 032**
25.00	290	246	450	1100	60*	blue	1	**9.140 031**
30.00	320	284	435	1250	60*	blue	1	**9.140 033**
20.00	290	246	385	950	60*	natural	1	**9.140 037**
30.00	320	284	435	1250	60*	natural	1	**9.140 038**

* With UN approval.

Safety funnels please see page 253

1 Screw caps and accessories for industrial carboys, PE-HD

Kautex

Description	For	PK	Cat. No.
Black, with tear-off ring and vent	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	**9.140 048**
Black, with tear-off ring and vent	5 / 10 litre jerrycans	1	**9.140 068**
Black, with tear-off ring and vent	20 / 25 / 30 litre jerrycans	1	**9.140 050**
Black, with tear-off ring	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	**9.140 051**
Black, with tear-off ring	5 / 10 litre jerrycans	1	**9.140 046**
Black, with tear-off ring	20 / 25 / 30 litre jerrycans	1	**9.140 047**
Red, with tear-off ring	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	**9.140 040**
Red, with tear-off ring	5 / 10 litre jerrycans	1	**9.140 042**
Red, with tear-off ring	20 / 25 / 30 litre jerrycans	1	**9.140 043**
With stopcock	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	**9.140 062**
With stopcock	5 / 10 litre jerrycans	1	**9.140 061**
With stopcock	20 / 25 / 30 litre jerrycans	1	**9.140 063**
With pump dispenser	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	**9.140 054**
With pump dispenser	10 litre jerrycans	1	**9.140 065**
With pump dispenser	20 litre jerrycans	1	**9.140 070**
With pump dispenser	25 litre jerrycans	1	**9.140 071**
With pump dispenser	30 litre jerrycans	1	**9.140 072**
Wrench, PE-HD to apply / remove	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	**9.140 073**
Wrench, PE-HD to apply / remove	5 / 10 / 20 / 25 / 30 litre jerrycans	1	**9.140 108**

9.072 182

DURAN® laboratory glass bottle GL 25

NEW!

DURAN Group

Areas of application
- Storing expensive/sensitive media, reference samples etc.
- Packaging bottle for reference samples, stability tests, proficiency tests and deuteration solutions
- Shipping bottle for small sample volumes
- Storing proteins, vitamins, DNA

Description	Capacity ml	PK	Cat. No.
clear, without cap	10	1	**9.072 181**
clear, with cap	10	1	**9.072 182** 2
amber, without cap	10	1	**9.072 183**
amber, with cap	10	1	**9.072 184**
protect laboratory glass bottle, without cap	10	1	**9.072 185**

9.072 334

Laboratory bottles Borosilicate glass 3.3, GL 45, with retrace code

Borosilicate glass 3.3. DIN 168 - 1. EN ISO 4796-1.
With graduations and retrace code, pouring ring, PP screw cap and ISO thread.

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
100	56	100	10	**9.072 331**
250	70	138	10	**9.072 332**
500	86	176	10	**9.072 334** 3
1000	101	225	10	**9.072 335**
2000	136	260	10	**9.072 336**
5000	186	330	1	**9.072 337**
10000	234	410	1	**9.072 338**
20000	299	505	1	**6.802 824**

1 LLG Safety Nets

NEW!

LLG safety nets from polyethylene for covering glass containers. Cut to size w/ scissors. Package contains 5m.

Description	Colour	For dia. mm	PK	Cat. No.
LLG Safety Nets, roll	red	6 - 15	5	**6.258 996**
LLG Safety Nets, roll	blue	12 - 25	5	**6.510 849**
LLG Safety Nets, roll	yellow	20 - 40	5	**6.050 131**
LLG Safety Nets, roll	green	30 - 60	5	**6.050 132**
LLG Safety Nets, roll	red	50 - 100	5	**6.050 133**
LLG Safety Nets, roll	yellow	90 - 200	5	**6.079 513**

1

2 Laboratory bottles, DURAN®, with retrace code

DURAN®. Graduated and DIN thread ISO 4796-1. Neutral glass/Type I glass in compliance with USP/EP. A ring-shaped moulding on the shoulder of the 100 to 2000ml bottles enables the filling height of the nominal capacity to be visible. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable. *DURAN Group*

Please order cap and pouring ring separately.

Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
25	36	70	25	1	**9.072 013**
50	46	87	32	1	**9.072 020**
100	56	100	45	1	**9.072 011**
150	62	105	45	1	**9.071 683**
250	70	138	45	1	**9.072 012**
750	95	203	45	1	**9.071 684**
500	86	176	45	1	**9.072 015**
1000	101	225	45	1	**9.072 016**
2000	136	260	45	1	**9.072 017**
3500	160	295	45	1	**9.071 685**
5000	182	330	45	1	**9.072 018**
10000	227	410	45	1	**9.072 019**
20000	288	505	45	1	**9.072 014**

2

3 Laboratory bottles, DURAN®, with screw cap and retrace code

To ISO 4796-1. Thread acc. to DIN 168-1 and approximate graduations. A ring-shaped moulding on the shoulder of the 100ml to 2000ml bottles makes the filling height of the nominal capacity visible. The 25ml bottle has a specially shaped glass rim for pouring (eliminating the need for an additional pouring ring). Neutral glass/Type I glass in compliance with USP/EP and JP. With easy to read scale and large labelling field for easy marking, in fired-on, highly durable white ceramic. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable. **With blue PP screw cap and pouring ring.** *DURAN Group*

Temperature (max): 140°C

Capacity ml	Ext. diam. mm	Height*	Neck thread GL	PK	Cat. No.
25**	36	74	25	1	**9.072 003**
50	46	91	32	1	**9.072 000**
100	56	105	45	1	**9.072 001**
150	62	105	45	1	**9.071 680**
250	70	143	45	1	**9.072 002**
500	86	181	45	1	**9.072 005**
750	95	203	45	1	**9.071 681**
1000	101	230	45	1	**9.072 010**
2000	136	265	45	1	**9.072 007**
3500	160	295	45	1	**9.071 682**
5000	182	335	45	1	**9.072 008**
10000	227	415	45	1	**9.072 004**
15000	268	450	45	1	**7.076 312**
20000	288	510	45	1	**9.072 009**

*Height mm incl. cap

**With specially shaped glass edge for improved pouring out (so that an additional plastic pouring ring is not required).

3

1 Laboratory bottles, DURAN® amber, with retrace code

DURAN Group

DURAN®. ISO 4796-1, Amber with DIN thread. Neutral glass/Type I glass acc. to USP/EP and JP. Autoclavable. With approximate graduations. A ring-shaped moulding on the shoulder of the 100 to 2000ml bottles makes the filling height of the nominal capacity visible. The 25ml bottle has a specially formed rim for pouring (eliminating the need for an additional pouring ring).
UV protection up to 500nm. Unaffected DURAN® properties within the bottle, as colour is applied only to the outer surface. Very uniform, durable and chemically resistant, amber colour due to innovative technology.
With Retrace code (Batch identification). Certificate available via the Internet.
Please order screw cap and pouring ring separately.

Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
25	36	70	25	1	**9.071 979**
50	46	87	32	1	**9.071 980**
100	56	100	45	1	**9.071 981**
150	62	105	45	1	**9.071 686**
250	70	138	45	1	**9.071 982**
500	86	176	45	1	**9.071 983**
750	95	203	45	1	**9.071 687**
1000	101	225	45	1	**9.071 984**
2000	136	260	45	1	**9.071 985**
3500	160	295	45	1	**9.071 688**
5000	182	330	45	1	**9.071 987**
10000	227	410	45	1	**9.071 988**
15000	268	445	45	1	**7.021 486**
20000	288	505	45	1	**9.071 989**

2 Safety-coated bottles, DURAN®, with retrace code

DURAN Group

Glass laboratory bottles with DIN thread to ISO 4796-1. Safety-coated in plastic (DURAN® Protect). Neutral glass/Type I acc. to USP/EP. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable.

DURAN® Protect is a resistant and transparent plastic coating based on a cross-linked co-polymer (polyurethane) applied onto DURAN® 3.3 borosilicate glass. The coating made from PU adheres to the glass surface and fulfils the following functions:
- protects the glass surfaces against mechanical damage **(scratch protection)**
- keeps fragments together in the event of glass breakage **(shatter protection)**
- minimises loss of fluid in the event of glass breakage
(leak and spray protection)
- absorbs UV rays up to a light wavelength of 380 nm **(light protection)**

Temperature resistance
Do not subject to an open flame or direct heat (e.g. on a laboratory hotplate). The max. temperature sustained is 135°C - continuous use at this temperature (>30 mins.) should be avoided.
DURAN® Protect is suitable for freezing (down to -30°C) and for use in microwaves.
Please order cap and pouring ring separately.

Capacity ml	Ext. diam. mm	Height mm	Neck thread GL	PK	Cat. No.
100	56	100	45	1	**9.071 991**
150	62	105	45	1	**9.071 689**
250	70	138	45	1	**9.071 992**
500	86	176	45	1	**9.071 995**
750	95	203	45	1	**9.071 690**
1000	101	225	45	1	**9.071 996**
2000	136	260	45	1	**9.071 997**
3500	160	295	45	1	**9.071 691**
5000	182	330	45	1	**9.071 998**

Bottle carriers - please see page 45.

1 Reagent bottles DURAN®, clear/amber, pressure resistant

DURAN® reagent bottles, DIN thread, ISO 4796. Pressure resistance, as a result of amended shape, in the range of -1 up to +1.5 bar (tested by the TÜV in accordance with DIN EN 1595, with GS mark). Neutral/Type 1 glass in accordance with USP/EP. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable.
Please order cap and pouring ring separately.

DURAN Group

Capacity ml	Ext. diam. mm	Height mm	Neck thread GL	Colour	PK	Cat. No.
250	70	138	45	clear	1	**9.071 706**
500	86	176	45	clear	1	**9.071 707**
1000	101	225	45	clear	1	**9.971 704**
250	70	138	45	amber	1	**9.071 701**
500	86	176	45	amber	1	**9.071 702**
1000	101	225	45	amber	1	**9.971 703**

2 Laboratory bottles Premium, DURAN®, with retrace code

DURAN®. ISO 4796-1, DIN ISO 718. Premium laboratory bottle with DIN thread. Highly leak-tight using Premium screw cap. Working temperature from -196°C up to 260°C.
With PTFE coated silicone seal and pouring ring. With additional reverse scale, accuracy ±5%. Thermal shock resistance of 160K (tested by the German TÜV and with GS mark). Bottle and screw cap in accordance to USP/EP guidelines (Glass Type I/Neutral glass, screw cap raw material USP Class VI, seal FDA). Screw cap material is similar to PFA and highly resistant against chemicals. The material is free from colourants and therefore no leaching takes place. DMF available upon request. Premium bottle and screw cap fulfil highest requirements of the pharmaceutical, chemical and food industry. With Retrace code (Batch identification). Certificate available via the Internet (available for cap and bottle). Autoclavable.

DURAN Group

Capacity ml	Ext. diam. mm	Height*	Neck thread GL	PK	Cat. No.
100	56	105	45	1	**9.072 155**
250	70	143	45	1	**9.072 156**
500	86	181	45	1	**9.072 157**
1000	101	230	45	1	**9.072 158**

*Height mm incl. cap

3 Square shape laboratory bottles, DURAN®, with retrace code

Ergonomic handling due to angular shape, highly stable, good stackability - proven DURAN® properties give a space saving of 44% in comparison with standard laboratory bottles (example applies to 100ml bottles)
With pouring ring and PP screw cap. Temperature (max.): +140°C
Advantages:
- proven DURAN® properties
- excellent chemical resistance
- low coefficient of expansion
- can be sterilised to 140°C. Before autoclaving, unscrew closure and set lightly on the container. Do not screw the closure down.
- freezer limit: -40°C. Only freeze the bottle by laying at an angle and if max. ¾ full.
- ergonomic handling
- very stable
- with Retrace code (Batch identification). Certificate available via the Internet.
- neutral glass/Type I glass acc. to USP/EP and JP.

DURAN Group

Capacity ml	Neck thread GL	Width mm	Height*	PK	Cat. No.
100	32	50	109	1	**9.072 076**
250	45	64	143	1	**9.072 077**
500	45	78	181	1	**9.072 078**
1000	45	94	222	1	**9.072 079**

*Height mm incl. cap

1 Screw caps, PP

PP. DIN thread. With lip seal. Temperature resistant to 140°C. Only suitable for DURAN® laboratory bottles.

DURAN Group

Neck thread GL	Colour	PK	Cat. No.
25	blue	1	**9.209 065**
32	blue	1	**9.209 067**
45	blue	1	**9.209 069**
45	yellow	1	**9.072 400**
45	green	1	**9.072 401**
45	grey	1	**9.072 402**
80	blue	1	**9.140 110**

2 Pouring rings, PP

PP. Autoclavable to 140°C (steam).

DURAN Group

Neck thread GL	Colour	PK	Cat. No.
32	blue	1	**9.209 081**
45	blue	1	**9.209 083**
45	green	1	**9.209 075**
45	grey	1	**9.209 076**
45	yellow	1	**9.209 077**

3 Premium screw cap, TpCh260

TpCh260 (similar to PFA), with PTFE coated silicone seal. Colourless (to aviod risk of leaching) and temperature resistant from -196°C to +260°C. Ideal for dry sterilization. USP/FDA standard conformity. DFM available on request. Autoclavable.
With Retrace code (Batch Identification). Certificate available via the internet.

DURAN Group

Neck thread GL	Diam. mm	Height mm	PK	Cat. No.
25	32	32	1	**9.072 159**
45	51	26	1	**6.205 218**

4 Premium pouring ring for Premium screw cap, TpCh260

Colourless pouring ring TpCh260, height 4mm. Temperature resistant from -196°C to +260°C.

DURAN Group

Neck thread GL	PK	Cat. No.
45	1	**6.803 677**

5 Membrane Cap, PP/ PTFE

Cap from PP, membrane from PTFE. Ideal for autoclaving processes because the membrane permits pressure equalisation and tight sealing, reducing the risk of contamination.
Temperature resistant up to 140°C.
Typical applications: storage or transport of gas generating media, autoclaving of media.

DURAN Group

Neck thread GL	PK	Cat. No.
25	1	**9.284 567**
32	1	**9.284 568**
45	1	**9.209 068**
80	1	**9.284 531**

1 Screw cap, GL45, with 2 hose connections, PP

DURAN Group

This new hose connection system has been specially developed for the connection of soft elastic tubing which, for example, is used in biotechnology for transferring media with the aid of peristaltic pumps.
The curved hose connections prevent kinking of the tubing. The grey PP core moves freely and allows the vessel to be changed without twisting the securely attached tubing. Autoclavable.
Properties/application:
- safe, sterile transfer of liquid media within a closed system
- highly versatile because the screw cap is based on the standard GL45 thread
- ideal for use with elastic, soft tubing of 6 - 9mm i.d. (Viton®, Tygon®, silicone)
- 2 x polypropylene, curved, hose connections on top and straight connections below
- optional filter top part for sterile pressure equalisation available
- temperature resistant up to +140°C
- autoclavable/dishwasher-proof

Description	PK	Cat. No.
Screw cap, with 2 hose connections	1	**6.240 019**
Filter top part	1	**9.071 692**

Further Safety caps - please see page 1448.

2 Wide mouth bottles with GLS 80® neck, DURAN®, clear, with screw cap

DURAN Group

Laboratory bottle with GLS80® wide neck (80mm diameter). Neutral/Type 1 glass acc. to USP/EP. With PP screw cap and pouring ring (autoclavable and temperature resistant up to 140°C). With improved quick release cap which allows the bottle to be easily opened and closed with a minimum of turns. The wide neck is ideal for any application with powders or granulates, giving easier filling and emptying. Special thread means opening takes less than a turn. With Retrace code (Batch identification). Certificate available via the Internet.

Capacity ml	Diam. mm	Height without closure mm	PK	Cat. No.
250	95	105.0	1	**9.071 896**
500	101	152.0	1	**9.284 510**
1000	101	222.0	1	**9.284 511**
2000	136	252.0	1	**9.284 512**
3500	160	271.0	1	**9.071 966**
5000	182	314.0	1	**9.284 513**
10000	227	389.0	1	**9.284 514**
20000	288	484.0	1	**9.284 515**

3 Wide mouth bottles GLS 80®, DURAN® amber glass

Temperature-resistant, bottle can be used up to 500°C (for short periods), screw cap and pouring ring up to +140°C. Protects light-sensitive media from light wavelengths between 300nm to 500nm. Unaffected DURAN® properties within the bottle, as colour is only applied on the outer surface. Very uniform, durable and chemically resistant amber colour due to innovative technology. With 80mm wide mouth screw thread. Ideal for applications with powders and granules, easy filling and emptying. Neutral glass/Type I glass acc. to USP/EP and JP. With Retrace Code (Batch Identification). Certificate available via the Internet. Autoclavable.

Capacity ml	Diam. mm	Height without closure mm	PK	Cat. No.
250	95	105.5	1	**9.071 899**
500	101	148.0	1	**9.284 516**
1000	101	218.0	1	**9.284 517**
2000	136	248.0	1	**9.284 518**
3500	160	271.0	1	**9.071 968**
5000	182	310.0	1	**9.284 519**
10000	227	385.0	1	**9.284 520**
20000	288	480.0	1	**9.284 521**

1 Wide mouth bottles GLS 80® protect, DURAN®

DURAN Group

Laboratory bottle with batch identification (Retrace Code), certificate available via the internet, with GLS80® wide neck (o.d. 80mm). Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. Ideal for any application with powder or granulate, easier filling and emptying.
The coating of DURAN® protect is a resistant and transparent plastic coating based on a cross-linked copolymer. Complete with blue quick release closure (PP, integral lip seal) and pouring ring (PP) for drip-free pouring and clean, safe working.
The coating adheres to the surface of the glass and fulfils the following functions:
- protection of the glass surface against mechanical damage (e.g. scratches)
- keeps broken glass in place after breakage and avoids or reduces leakage
- minimises loss of media in case of breakage
- absorption of light up to a wavelength of 380nm

Temperature resistance:
- autoclavable (< 135°C)
- can be used in microwaves
- high temperature applications for extended periods (>30min) and direct heating with a flame not recommended
- freezing down to -30°C possible

Temperature (max.): 135°C

Capacity ml	Diam. mm	Height without closure mm	PK	Cat. No.
250	95	105.5	1	**9.071 897**
500	101	148.0	1	**9.284 522**
1000	101	218.0	1	**9.284 523**
2000	136	248.0	1	**9.284 524**
3500	160	271.0	1	**9.071 969**
5000	182	310.0	1	**9.284 525**

2 Accessories for Wide mouth bottles GLS 80®, PP

DURAN Group

Temperature resistant up to 140°C. Autoclavable.

Description	Diam. mm	Height mm	PK	Cat. No.
Screw cap	87	40.0	1	**9.140 110**
Pouring ring, blue	77	6.8	1	**9.284 530**
Membrane cap	86	40.0	2	**9.284 531**

3 Quick release closure, PSU compound, for GLS 80® laboratory bottles

NEW!

DURAN Group

GLS 80® quick release thread allows opening and closing of bottle with three-quarters of a turn
- Double-sided PTFE-coated silicone seal, medium in contact with PTFE only
- Excellent mechanical stability, high chemical resistance
- Autoclavable/suitable for hot-air sterilisation, Tmax = 180°C

Suitable GLS 80® pouring ring, PTFE
- Excellent chemical resistance
- Autoclavable/suitable for hot-air sterilisation, Tmax = 250°C

Quick release closure and pouring ring without colourants, preventing contamination of equipment

Description	Diam. mm	Height mm	PK	Cat. No.
Screw cap	88.5	40.00	1	**7.651 746**
Pouring ring		6.85	1	**6.237 901**

4 Connection system for wide-mouth bottles GLS 80®

DURAN Group

Materials used PP, PBT and PTFE. Flexible modular system. Five different hose diameters (3.2mm, 6.0mm, 8.0mm, 10.0mm and 12.0mm) can be connected.
Sterile pressure equalisation is possible through use of membrane filter. Unused ports can be provided with a blind cap.
Typical applications: safe transfer of liquid media within a closed and sterile system (evaporation is reduced).
Autoclavable - maximum temperature 140°C.

Description	Neck thread GL	PK	Cat. No.
4-port cap GL 18, diam. 86mm, height approx. 60mm	80	1	**9.284 532**
Insert for screw cap, inner diam. 3.2mm	18	1	**9.284 533**
Insert for screw cap, inner diam. 6.0mm	18	1	**9.284 534**
Insert for screw cap, inner diam. 8.0mm	18	1	**9.284 535**
Insert for screw cap, inner diam. 10.0mm	18	1	**9.284 536**
Insert for screw cap, inner diam. 12.0mm	18	1	**9.284 537**
Screw cap for tube connection, blue	18	1	**9.284 538**
Pressure equilization for 4-port	18	1	**9.284 539**
Screw cap, red	18	1	**9.284 540**

1 GLS 80® Stirred Reactor

DURAN Group

The GLS 80® stirred reactor is suitable for a wide range of laboratory mixing processes. The screwthread connections (2 x GL14, 2 x GL18) provided allow addition or removal of media from the bottle during the mixing process. The whole assembly can be autoclaved and is therefore suitable for use in fermentation and culture. By using components from the GLS 80 connection system, an additional media bottle (Tubing o.d.: 1.6 to 12.0mm) can be connected or a sterile pressure equalizer attached. Drive for the stirrer is provided by a standard, commercial, magnetic stirrer. The variable length stirrer shaft can be used in DURAN® GLS 80® laboratory glass bottles (1000 and 2000ml) and provides notably improved mixing in comparison with standard magnetic stirrer bars. The paddle is exchangeable and can be used up to 500 rpm. Typical applications: mixing of liquids, dissolving of solids, simple fermentation.
Supplied with: GLS 80® stirred reactor with anchor strirrer, magnetic, incl. 1000 or 2000 ml DURAN® GLS 80 bottle , GL14 screw cap (PP, blue), 2 x GL14 a. 2 x GL18 screw cap (PBT red).

Description	PK	Cat. No.
incl. shaft, connection and screw cap	1	**9.197 379**
incl. bottle 1L	1	**9.197 380**
incl. bottle 2L	1	**9.197 381**

Accessories for agitation reactor GLS 80®

DURAN Group

Type	Description	PK	Cat. No.
Stirrer	impeller type	1	**9.197 382**
Stirrer	anchor type	1	**9.197 383**
Spare screw cap	PP blue/grey	1	**9.197 385**
Spare shaft	stainless steel, incl. PEEK connection	1	**9.197 386**

9.197 382

3 GL45 Stirred Reactor

DURAN Group

The perfect support for your mixing processes

Properties:
- driven using standard magnetic stirrers
- variable stirrer shaft, can be used for 500ml and 1000ml DURAN® GL 45 laboratory bottles
- can be used up to 500rpm
- entirely autoclavable
- temperature resistant up to 140°C
- compatible with proven DURAN® connection systems; can fit tubing from 1.6mm to 6.0mm i.d.
- significantly improved, thorough mixing compared to standard magnetic stirring bar
- materials used PP/PTFE/PEEK/stainless steel
- parts in contact with media fully conform to FDA requirements
- bottle supplied (500ml or 1000ml)

Application:
The above mentioned properties make the DURAN® stirred reactor ideal for the widest possible range of mixing processes in laboratories, e.g. mixing liquids or dissolving solids. The connections available allow introduction of media into the bottle or or removal during mixing.
The whole assembly is autoclavable, so that it can be used in biological applications, for example simple fermentation processes. With the aid of components from the DURAN® connection system extra media bottles can be attached, or a sterile pressure release fitted.

Items supplied:
GL45 stirred reactor, incl. 500ml or 1000ml DURAN® GL45 bottle, folding magnetic stirrer and GL45 PP cap with 2 x GL14 ports, 2 x GL14 PBT caps red

Description	PK	Cat. No.
GL45 stirred reactor, incl. 500ml DURAN® GL45 bottle	1	**9.197 395**
GL45 stirred reactor, incl. 1000ml DURAN® GL45 bottle	1	**9.197 396**
Folding magnetic stirrer for GL45 stirred reactor, incl. shaft	1	**9.197 391**
Spare screw cap 2-ports for GL45 stirred reactor (excl. stirrer)	1	**9.197 393**

1

2

1 2 Wide-mouth reagent bottles with stopper, soda-lime glass

Soda-lime glass. To ISO 4796-2. Standard ground joint neck. With glass stopper. Hydrolytic class 3.

DURAN Group

Capacity ml	Diam. mm	Height mm	Neck NS	Colour	PK	Cat. No.
50	44	79	24/20	clear	1	**9.071 405**
100	52	97	29/22	clear	1	**9.071 408**
250	71	129	34/24	clear	1	**9.071 414**
500	86	164	45/27	clear	1	**9.071 419**
1000	107	200	60/46	clear	1	**9.071 424**
50	44	78	24/20	amber	1	**9.071 505**
100	52	97	29/22	amber	1	**9.071 508**
250	71	129	34/24	amber	1	**9.071 514**
500	86	164	45/27	amber	1	**9.071 519**
1000	107	200	60/46	amber	1	**9.071 524**

3

3 Wide mouth reagent bottles with stopper, DURAN®

DURAN®. ISO 4796-2. With standard ground joint as outlined below. With glass stoppers. Glass Type I/neutral glass as per USP, EP and JP. With Retrace Code (Batch Identification). Certificate available via the Internet. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	Neck NS	Colour	PK	Cat. No.
50	44	79	24/20	clear	1	**9.071 817**
100	52	97	29/22	clear	1	**9.071 824**
250	70	133	34/35	clear	1	**9.071 836**
500	86	163	45/40	clear	1	**9.071 844**
1000	107	201	60/46	clear	1	**9.071 854**
2000	133	247	60/46	clear	1	**9.071 863**

4

4 Wide-mouth bottles, soda-lime glass

Clear or amber glass. Round thread neck in accordance with DIN 168.
Please order screw caps separately.

Capacity ml	Neck thread GL	Diam. mm	Height mm	Colour	PK	Cat. No.
30	32	36.0	68.0	clear	126	**7.960 500**
50	32	44.0	75.0	clear	85	**7.960 501**
100	40	50.0	93.0	clear	63	**7.960 502**
125	40	54.0	98.0	clear	80	**7.960 503**
150	45	57.0	104.0	clear	42	**9.072 210**
250	55	70.0	113.0	clear	48	**7.960 504**
500	55	84.0	154.0	clear	20	**7.960 505**
1000	68	103.5	180.5	clear	18	**7.960 506**
30	32	36.0	68.0	amber	126	**7.960 507**
50	32	44.0	75.0	amber	85	**7.960 508**
100	40	50.0	93.0	amber	63	**7.960 509**
125	40	54.0	98.0	amber	84	**7.960 510**
250	55	70.0	113.0	amber	42	**7.960 511**
500	55	84.0	154.0	amber	20	**7.960 512**
1000	68	103.5	180.5	amber	12	**7.960 513**

1 Screw caps for wide-mouth bottles, PP/LDPE

Cap PP, seal LDPE
For bottles 9.072 203 to 9.072 324 series and 7.060 572.

Neck thread GL	Material	PK	Cat. No.
32	PP	1	**9.072 164**
40	PP	1	**9.072 165**
45	PP	1	**7.075 021**
55	PP	1	**9.072 166**
68	PP	1	**9.072 167**

Wide-mouth bottles, clear and amber glass, PTFE-lined screw caps

Behr

Clear and amber glass. For storage and transport. The PTFE-lined screw caps make them ideal for taking samples.
Type RB = amber glass
Type RK = clear glass

Type	Capacity ml	Thread diam. mm	PK	Cat. No.
RB 250 GT	250	55	1	**9.072 325** 2
RB 500 GT	500	55	1	**9.072 326**
RB 1000 GT	1000	68	1	**9.072 327**
RK 250 GT	250	55	1	**9.103 200** 3
RK 500 GT	500	55	1	**9.103 201**
RK 1000 GT	1000	68	1	**9.103 202**

9.072 325

9.103 200

We can supply this manufacturer's whole product range !

partner of the LLG Lab Logistics Group

behr Labor-Technik

1 LLG-Wide neck bottles, with screw cap, PE-LD, economy pack

Transparent, with cap. The wide neck opening means that the bottles are easy to fill and clean, leak-proof. Ideal for liquids, pastes and granulates.

Capacity ml	Diam. mm	Height mm	Thread external dia. mm	PK	Cat. No.
50	39.0	76.0	32	50	**9.073 510**
100	48.0	93.5	32	20	**9.073 511**
250	64.0	120.0	40	10	**9.073 512**
500	77.0	154.0	50	10	**9.073 513**
1000	95.0	205.0	65	4	**9.073 514**
1500	108.0	226.0	65	4	**9.073 515**
2000	120.0	247.0	65	1	**9.073 516**

2 Wide mouth bottles, series 303, PE-LD

Natural, translucent. Thick-walled. Ideal for taking, storing and transporting samples of liquids, pastes and granulated products. *Kautex*
Please order closure separately.

Capacity ml	Diam. mm	Height mm	Thread external dia. mm	PK	Cat. No.
50	39.0	76.0	32	1	**9.072 981**
100	48.0	93.5	32	1	**9.072 982**
200	59.0	114.0	40	1	**9.072 983**
250	64.0	120.0	40	1	**9.072 984**
300	67.5	128.0	40	1	**9.072 985**
500	77.0	154.0	50	1	**9.072 986**
750	88.0	173.0	50	1	**9.072 987**
1000	95.0	205.0	65	1	**9.072 988**
1500	108.0	226.0	65	1	**9.072 989**
2000	120.0	247.0	65	1	**9.072 990**

Height in mm without cap.

3 Caps for wide mouth bottles, series 303, PE-LD

For 9.072 981 to 9.072 990 series bottles. *Kautex*

For Thread o.d. mm	For bottles ml	PK	Cat. No.
32	50, 100	1	**9.072 778**
40	200, 250, 300	1	**9.072 779**
50	500, 750	1	**9.072 781**
65	1000, 1500, 2000	1	**9.072 782**

4 Wide mouth bottles, series 303, PP

Round, Natural without closure. With approximate graduations. Ideal for liquids, pastes and granulates. For taking samples, sending specimens and as transport containers. Can be filled with hot substances. Autoclavable to max. 121°C. **Please order closure separately.** *Kautex*

Note: Before autoclaving, unscrew closure and set lightly upside down on the container. Do not screw the closure down.

Capacity ml	Diam. mm	Thread external dia. mm	Height without closure mm	PK	Cat. No.
100	48.5	32	94.0	1	**9.072 965**
250	64.5	40	121.0	1	**9.072 966**
500	77.5	50	155.0	1	**9.072 967**
1000	96.0	65	205.0	1	**9.072 968**

5 Screw caps for wide mouth bottles, series 303, PP

Natural. *Kautex*

For Thread o.d. mm	For bottles ml	PK	Cat. No.
32	100	1	**9.072 970**
40	250	1	**9.072 971**
50	500	1	**9.072 972**
65	1000	1	**9.072 973**

1 Wide neck bottles, series 303, PE-LD

Brown, offers protection against UV rays for light sensitive liquids. These wide neck bottles are easy to fill and clean. Leakproof.
Please order closure separately.

Kautex

Capacity ml	Thread external dia. mm	Height mm	PK	Cat. No.
50	32	76.0	1	**9.073 681**
100	32	93.5	1	**9.073 682**
250	40	120.0	1	**9.073 684**
500	50	154.0	1	**9.073 686**
1000	65	205.0	1	**9.073 688**

Height in mm without closure.

2 Caps, series 303, PE-LD

Brown, screw caps.

Kautex

For Thread o.d. mm	For bottles ml	PK	Cat. No.
32	50, 100	1	**9.073 778**
40	250	1	**9.073 779**
50	500	1	**9.073 781**
65	1000	1	**9.073 782**

3 Medium neck bottles, series 307, PE-HD with screw cap, PP

With graduations. Leakproof screw cap. Multi-purpose bottles for universal use in the laboratory and in industry. Offers a good level of chemical resistance. Generous neck diameters offer easy filling and cleaning. Ideal for pastes, granulates and withstands heat filling.

Kautex

Capacity ml	Thread external dia. mm	Height mm	PK	Cat. No.
100	25	99.5	1	**9.073 344**
250	28	129.5	1	**9.073 345**
500	40	161.0	1	**9.073 346**
1000	50	203.0	1	**9.073 347**

Height in mm without closure.

4 Spare screw caps for series 307 medium neck bottles, PP

Natural, spare screw caps.

Kautex

For Thread o.d. mm	For bottles ml	PK	Cat. No.
25	100	1	**9.073 348**
28	250	1	**9.073 349**
40	500	1	**9.072 971**
50	1000	1	**9.072 972**

5 Wide mouth bottles, series 310, PE-HD

Square, Natural, without closure. Wide mouth, therefore easy to fill and empty, leakproof. Easy to clean. Square shape makes the best use of space. Ribbed sides for a secure hold. With space for a label.
Please order closure separately.

Kautex

Capacity ml	Thread external dia. mm	Width mm	Depth mm	Height mm	PK	Cat. No.
250	40	59.0	59.0	110.5	1	**9.073 385**
500	40	69.0	69.0	145.5	1	**9.073 386**
1000	50	86.5	86.5	178.5	1	**9.073 387**

Height in mm without closure.

1 Caps for series 310 PETG and PVC

Black screw caps, suitable for wide mouth containers made of PVC (clear or amber) and PETG.

Kautex

For Thread o.d. mm	For bottle ml	PK	Cat. No.
32	50	1	**9.073 070**
40	100	1	**9.073 071**
50	200 and 300	1	**9.073 072**
65	500	1	**9.073 073**
80	750 and 1000	1	**9.073 074**
80	2000	1	**9.073 075**

2 Tamper-evident caps vor series 310, PP/PE

Suitable for series 310 PVC wide mouth containers (transparent and amber).
Tamper-evident black PP cap with PE foam liner and tamper-evident ring which immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

Kautex

For Thread o.d. mm	For jars ml	PK	Cat. No.
40	100	1	**9.074 071**
50	200 and 300	1	**9.074 072**
65	500	1	**9.074 073**

3 Tamper-evident caps for series 310, PP/PTFE

White with PTFE foam liner.

Kautex

Neck thread GL	For bottle ml	PK	Cat. No.
32	100 to 250	1	**9.073 480**
45	500 to 1000	1	**9.073 481**

4 Caps for series 310, PE-LD

Natural, screw cap for 9.073 385 to 9.073 387.

Kautex

For Thread o.d. mm	For bottles ml	PK	Cat. No.
40	250, 500	1	**9.072 779**
50	1000	1	**9.072 781**

5 Wide mouth bottles, with closure, 357 series, PE-HD

Multi-sided (octagonal), natural PE-HD, with screw closure. With an extra-large neck opening, this container is ideal for disposal, storage, collection, transport, waste and sampling of dry substances.

Kautex

Capacity Litres	Diam. mm	Height mm	Neck diam. mm	Thread external dia. mm	PK	Cat. No.
5	190 x 180	230	108	120	1	**9.073 036**
10	230 x 222	303	108	120	1	**9.073 042**

6 Wide mouth bottles, 311 series, PE-HD

Natural. Square with recessed handle. Large, wide mouth containers designed to be space-saving. Safe and easy to use.
Ideal for storing, collecting and transporting dry substances.

Kautex

Type 1: Tamper-evident cap 9.072 893 please order separately.
Type 2: Supplied with closure.

Type	Capacity ml	Height mm	Thread external dia. mm	PK	Cat. No.
1	2300	188	80	1	**9.072 932**
2	4400	263	120	1	**9.072 934**

1 Tamper-evident cap for 311 series, PP

Blue, with conical seal and tamper-evident ring for 2.3L wide mouth containers. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

Kautex

For	PK	Cat. No.
Type 2300, art. nr. 9.072 932	1	**9.072 893**

2 3 Square reagent bottles, PE-HD

Natural or white. Wide neck. UN approved for solid materials.
Please order closure separately.

Kautex

Capacity ml	Colour	Width mm	Depth mm	Height without closure mm	Thread external dia. mm	PK	Cat. No.
50	natural	36	36	88.5	28*	1	**9.072 869**
100	natural	45	45	101.0	32	1	**9.072 870**
250	natural	59	59	128.0	45	1	**9.072 871**
350	natural	60	60	164.0	45*	1	**9.072 877**
500	natural	75	75	161.0	54	1	**9.072 872**
750	natural	83	83	185.0	54	1	**9.072 878**
1000	natural	85	85	212.0	54	1	**9.072 873**
1500	natural	108	108	209.0	80	1	**9.072 874**
2500	natural	122	122	258.0	80	1	**9.072 875**
4000	natural	142	142	294.0	80	1	**9.072 876**
50	white	36	36	88.5	28*	1	**9.072 879**
100	white	45	45	101.0	32	1	**9.072 880**
250	white	59	59	128.0	45	1	**9.072 881**
500	white	75	75	161.0	54	1	**9.072 882**
750	white	83	83	185.0	54	1	**9.072 883**
1000	white	85	85	212.0	54	1	**9.072 884**
1500	white	108	108	209.0	80	1	**9.072 885**
2500	white	122	122	258.0	80	1	**9.072 886**
4000	white	142	142	294.0	80	1	**9.072 887**

*not UN approved

1 Caps for wide neck reagent bottles, PP (melamine*)

Guarantees the functionality and the tightness of the bottle to protect the contents. *Kautex*

Type a) Screw cap, black with 1.5mm PE foam lining. Ensures that the bottle is tightly and safely sealed.
Type b) Tamper-evident cap, blue, with conical seal and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.
Type c) Tamper-evident cap, red, with PE foam lining and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

Type	Colour	For bottles ml	Thread external dia. mm	PK	Cat. No.
Type a*	black	50	28	1	**9.072 894**
Type a	black	100	32	1	**9.072 895**
Type a	black	250, 350	45	1	**9.072 896**
Type a	black	500, 750, 1000	54	1	**9.072 897**
Type a	black	1500 - 4000	80	1	**9.072 898**
Type b	blue	50	28	1	**9.072 904**
Type b	blue	100	32	1	**9.072 092**
Type b	blue	250, 350	45	1	**9.072 093**
Type b	blue	500, 750, 1000	54	1	**9.072 094**
Type b	blue	1500 - 4000	80	1	**9.072 893**
Type c	red	50	28	1	**9.072 899**
Type c	red	100	32	1	**9.072 900**
Type c	red	250, 350	45	1	**9.072 901**
Type c	red	500, 750, 1000	54	1	**9.072 902**
Type c	red	1500 - 4000	80	1	**9.072 903**

* melamine.

2 Wide mouth containers, series 310, PETG

Square, without closure. Crystal clear, ideal for presenting products in their true colours. The wide mouth enables easy filling and cleaning. *Kautex*
Please order closures separately.

Capacity ml	Thread external dia. mm	Height mm	PK	Cat. No.
50	32	60.5	1	**9.073 395**
100	40	71.0	1	**9.073 396**
200	50	88.0	1	**9.073 397**
500	65	108.0	1	**9.073 398**
1000	80	143.0	1	**9.073 399**
2000	80	187.0	1	**9.073 400**

Height in mm without closure.

3 Wide mouth containers, series 310, PVC

Square, Transparent. Clear, for good product presentation. Amber, for light sensitive contents. The wide mouth allows for easy filling and cleaning. Black PP, tamper-evident leakproof closure. *Kautex*
Please order closures separately.

Capacity ml	Colour	Thread external dia. mm	Height mm	PK	Cat. No.
100	Transparent	40	83.5	1	**9.074 051**
200	Transparent	50	98.5	1	**9.074 052**
300	Transparent	50	105.5	1	**9.074 053**
500	Transparent	65	118.5	1	**9.074 054**
100	Amber	40	83.5	1	**9.074 061**
200	Amber	50	98.5	1	**9.074 062**
300	Amber	50	105.5	1	**9.074 063**
500	Amber	65	118.5	1	**9.074 064**

Height in mm without closure.

1 Square, wide mouth containers, series 310, PVC

Rigid, Amber or Clear PVC containers. Universal container for storage, sample dispatch and transport. The clear version is ideal for colour-fast product presentation. The amber version is suitable for light sensitive products.
Please order screw caps separately.

Kautex

Capacity ml	Width mm	Depth mm	Height without closure mm	Thread external dia. mm	Colour	PK	Cat. No.
50	38.0	38.0	57.0	32	clear	1	**9.073 050**
100	46.0	46.0	71.0	40	clear	1	**9.073 051**
200	59.5	59.5	87.0	50	clear	1	**9.073 052**
300	67.5	67.5	94.0	50	clear	1	**9.073 053**
500	80.5	80.5	108.0	65	clear	1	**9.073 054**
750	91.5	91.5	120.0	80	clear	1	**9.073 055**
1000	97.5	97.5	143.0	80	clear	1	**9.073 056**
2000	122.0	122.0	187.0	80	clear	1	**9.073 057**
50	38.0	38.0	54.0	32	amber	1	**9.073 060**
100	46.0	46.0	71.0	40	amber	1	**9.073 061**
200	59.5	59.5	87.0	50	amber	1	**9.073 062**
300	67.5	67.5	94.0	50	amber	1	**9.073 063**
500	80.5	80.5	108.0	65	amber	1	**9.073 064**
750	91.5	91.5	120.0	80	amber	1	**9.073 065**
1000	97.5	97.5	143.0	80	amber	1	**9.073 066**
2000	122.0	122.0	187.0	80	amber	1	**9.073 067**

Suitable closures please see page 70

2 Wide-Mouth Bottles Type 2104, PE-HD with screw cap, PP

Durable, general-purpose bottles with countless applications in the lab or field. Translucent, more rigid than PE-LD. Wide mouth is easy to fill with dry materials or liquids. Excellent chemical resistance to most acids, bases and alcohols. Can be used in freezer - use to -100°C. Suitable for shipping liquids. Leakproof with PP screw cap.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2104	30	28	12	**9.103 221**
2104	60	28	12	**9.103 222**
2104	125	38	12	**9.103 223**
2104	250	43	12	**9.103 224**
2104	500	53	12	**9.103 225**
2104	1000	63	6	**9.103 226**
2104	1500	63	6	**9.103 227**

3 Graduated wide mouth bottles, PE/PP

Polyethylene (body) and Polypropylene (cap). Will withstand considerable pressure before rupturing. Secured by tagging points on bottle and cap. Confidential notes can be placed in the space between insert sealing plug and cap.

Capacity ml	Grad. ml	Ext. diam. mm	Int. diam. mm	Height mm	PK	Cat. No.
50	10	40	24.00	77	1	**9.072 950**
100	20	48	24.00	89	1	**9.072 951**
250	25	61	34.50	126	1	**9.072 952**
500	50	75	34.50	158	1	**9.072 953**
1000	100	93	45.00	200	1	**9.072 954**
2000	100	115	45.00	247	1	**9.072 955**

1 Graduated square bottles, wide neck, PE (Body), PP (Cap)

Space saving bottles, ideal for long term storage of samples. Approximate graduations allow reproducible filling without the use of cylinders/beakers. Easy grip caps can be wired down for security. Suitable for foodstuff.

Capacity	Grad.	Width	Length	Height	Tubing i.d.	PK	Cat. No.
ml	ml	mm	mm	mm	mm		
25	5	32	34	52	18.0	1	**9.072 943**
50	10	38	38	70	24.0	1	**9.072 944**
100	20	42	48	90	34.5	1	**9.072 945**
250	50	57	60	110	34.5	1	**9.072 946**
500	100	70	80	138	45.0	1	**9.072 947**
1000	100	80	103	176	58.0	1	**9.072 948**
2000	100	100	134	210	58.0	1	**9.072 949**

2 Bottles, wide mouth, PE, graduated

NEW!

PE. General purpose bottle meeting Food and Drug regulations with pictograms. Wide neck for easy filling and emptying of liquid or powder samples. Conform to DIN 13316 and 168. With PE closure. Deep seal ensures leakproof closure.

Capacity	Grad.	Ext. diam.	Height	Tubing i.d.	DIN	PK	Cat. No.
ml	ml	mm	mm	mm			
50	10	38	88	24.0	32	1	**9.072 974**
100	20	48	105	24.0	32	1	**9.072 975**
250	25	60	140	38.0	45	1	**9.072 976**
500	100	75	170	38.0	45	1	**9.072 977**
1000	100	95	206	55.0	63	1	**9.072 978**
2000	100	120	252	55.0	63	1	**9.072 979**

3 Graduated wide mouth bottles

PP, meeting Food and Drug regulations with pictograms. Very sturdy, rupture-proof bottles. Wide mouth for easy filling and emptying of liquid or powder samples. Conforms to DIN 13316 and 168. With PP closure. Deep seals ensure leakproof closure. Autoclavable.

Capacity	Grad.	Ext. diam.	Height	Tubing i.d.	DIN	PK	Cat. No.
ml	ml	mm	mm	mm			
50	10	38	88	24.0	32	1	**9.073 030**
100	20	48	105	24.0	32	1	**9.073 031**
250	25	60	140	38.0	45	1	**9.073 032**
500	100	75	170	38.0	45	1	**9.073 033**
1000	100	95	206	55.0	63	1	**9.073 034**
2000	100	120	252	55.0	63	1	**9.073 035**

4 Wide mouth bottle with screw cap Economy Type 2189, PE-HD/PP

With PP screw cap. Economical, break-resistant bottle. Guaranteed leakproof for safe sampling, shipping and storage. Translucent bottle allows viewing of liquid level.
EPA-specified sample bottle material for a wide variety of inorganic compound and elemental analyses.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2189	30	28	72	**9.103 228**
2189	60	28	72	**9.103 229**
2189	125	38	72	**9.103 230**
2189	250	43	72	**9.103 231**
2189	500	53	48	**9.103 232**
2189	1000	63	24	**9.103 233**

1 Wide mouth bottle with screw cap Economy Type DS2185, PE-HD/PP, brown

With amber PP screw cap. Protects light sensitive samples from UV/VIS light transmission during sampling, shipping or storage. Wide mouth allows easy retrieval of grab samples and reduces turbulence when filling. Single-use sample bottle. Leakproof.

Thermo Scientific

Type	Capacity ml	Cover type	PK	Cat. No.
DS2185	30	28	72	**9.103 234**
DS2185	60	28	72	**9.103 235**
DS2185	125	38	72	**9.103 236**
DS2185	250	43	72	**9.103 237**
DS2185	500	53	48	**9.103 238**
DS2185	1000	63	24	**9.103 239**

2 Fluorinated Wide-Mouth Bottles Type 2197, PE-HD

With fluorinated PP screw cap. Safe, durable, cost-efficient line of fluorinated wide-mouth bottles. Fluorinated surface provides improved barrier properties and reduces solvent absorption and permeation. Fluorination enhances long-term container performance, prevents material loss due to permeation and yields lower extractables. Widemouth design allows for easy filling and dispensing of solid and liquid materials. Split- and puncture-resistant. Recyclable. Leakproof.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2197	125	38	12	**9.103 240**
2197	250	43	12	**9.103 241**
2197	500	53	12	**9.103 242**
2197	1000	63	6	**9.103 243**

3 Wide-neck Bottle PassPort IP2 Type 2199, PE-HD

With PP screw closure. Safe, durable, cost-efficient line of wide-mouth bottles for packaging and transporting hazardous materials. Recommended for customers who are designing, assembling and certifying their own combination packaging. Split and puncture resistant. Wide mouth allows for easy filling of dry materials or liquids. Heavy duty walls. Molded into bottom: IP2 marking, material, volume, registration notch and the Nalgene® brand name. Evaluated at 15psi (103kPa) per 49 CFR 173.27 (c) (2), ICAO Technical Instructions Part 3-1;1.1.6.1, and IATA Dangerous Goods Regulations Section 5.0.2.9. Leakproof.

Thermo Scientific

Capacity ml	PK	Cat. No.
125	12	**9.103 244**
250	12	**9.103 245**
500	12	**9.103 246**
1000	6	**9.103 247**

4 Wide-Mouth Bottles Type 2105 with screw cap, PP

Transparent. Rigid wall. For general laboratory use. Withstands temperatures up to +121°C. Autoclavable - cap should be unscrewed before autoclaving.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2105	30	28	12	**9.103 248**
2105	60	28	12	**9.103 249**
2105	125	38	12	**9.103 250**
2105	250	43	12	**9.103 251**
2105	500	53	12	**9.103 252**
2105	1000	63	6	**9.103 253**

1 Heavy-Duty Vacuum Bottles Type 2126, PP with screw cap PP/TPE

With white PP screw cap and TPE gaskets. Most durable Nalgene-bottle. Large, thick-walled bottle with wide mouth for extra-rugged service. Withstand application of full vacuum for 24 hours at 20°C. Leakproof. Autoclavable.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2126	1000	53B	1	**7.048 062**
2126	2000	53B	1	**7.048 063**
2126	4000	83B	1	**7.048 064**
2126	5000	83B	1	**7.048 065**

Suction pumps - please see page 1353.

2 Wide-mouth bottle Economy Type 2187, PPCO

General-purpose, single-use sample bottle, with PP screw cap. Leakproof. Autoclavable.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2187	30	28	72	**9.103 254**
2187	60	28	72	**9.103 255**
2187	125	38	72	**9.103 256**
2187	250	43	72	**9.103 257**
2187	500	53	48	**9.103 258**
2187	1000	63	24	**9.103 259**

3 Kegs, wide mouth, PE-HD, UN approved

PE-HD. White, with red lid. UN-approved for Packaging groups I, II and III. Suitable for use with foodstuffs. Max. filling temperature of 80°C. Product must have cooled down to 30°C before the barrel is closed and stacked. All barrels can be sealed airtight, watertight and water-vapour tight.

Capacity L	Diam. mm	Height mm	PK	Cat. No.
3.60	198	175	1	**9.050 020**
6.40	198	266	1	**9.050 021**
10.40	274	239	1	**9.050 019**
15.40	274	328	1	**9.050 022**
20.00	274	418	1	**9.050 018**
26.40	316	424	1	**9.050 023**

4 Kegs, wide mouth, PE, with handles, with UN-approval

PE-HD. White, with red lid. UN-approved for Packaging groups I, II and III. Suitable for use with foodstuffs. Max. filling temperature of 80°C. Product must have cooled down to 30°C before the barrel is closed and stacked. All barrels can be sealed airtight, watertight and water-vapour tight.

Behr

Capacity L	Diam. mm	Height mm	Neck	PK	Cat. No.
10.4	274	239	Ø 204 mm	1	**6.800 205**
15.4	274	328	Ø 204 mm	1	**6.200 593**
26.0	316	426	Ø 204 mm	1	**6.078 171**
54.0	410	518	Ø 282 mm	1	**6.900 353**
68.5	410	632	Ø 282 mm	1	**6.401 093**

5 Narrow-mouth packing bottles, soda-lime glass

Amber, with PP (Pilferproof) 28 neck finish.
Please order caps separately.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
30	35.0	71.0	143	**9.070 200**
50	40.5	81.0	99	**9.070 201**
100	50.5	96.0	56	**9.070 202**
250	65.0	133.0	39	**9.070 203**
500	82.0	160.0	20	**9.070 205**
1000	100.5	207.0	14	**9.070 204**

1 Screw caps for narrow-neck bottles, PP 28

PP Cap (Pilferproof) 28 neck finish, with approx. 19.4mm inner mouth.
For bottles 9.070 200 to 9.070 205 series.

Description	PK	Cat. No.
Closure, black, with foam insert	500	**6.303 525**
Closure, white, with cone sealing	500	**9.070 210**
Closure, white, with pouring ring	500	**9.070 211**
Closure, child proof lock, white, with pouring ring	500	**9.070 212**
Originality closure, white, with foam insert	500	**9.070 213**

2 Screw caps for narrow-neck bottles, PP/PE-LD

PP cap with PE-LD seal.
For bottles 9.072 103 to 9.072 154 series.

Neck thread GL	PK	Cat. No.
18	1	**9.072 160**
22	1	**9.072 161**
25	1	**9.072 162**
28	1	**9.072 163**

3 4 Narrow-neck reagent bottles with stopper, soda-lime glass

Amber or Clear. Soda-lime glass. ISO 4796-2. With glass stopper. Hydrolytic class 3. *DURAN Group*
Standard ground joint neck.

Capacity ml	Diam. mm	Height mm	Neck NS	Colour	PK	Cat. No.
100	52	96	14/15	clear	1	**9.070 408**
250	72	130	19/26	clear	1	**9.070 414**
500	89	165	24/29	clear	1	**9.070 419**
1000	110	200	29/32	clear	1	**9.070 424**
50	42	80	14/15	amber	1	**9.070 505**
100	52	96	14/15	amber	1	**9.070 508**
250	72	130	19/26	amber	1	**9.070 514**
500	89	165	24/29	amber	1	**9.070 519**
1000	110	200	29/32	amber	1	**9.070 524**

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2

1 2 Narrow-neck reagent bottles with stopper, DURAN®

Amber or Clear. DURAN®. ISO 4796-2. With conical ground joint and glass stopper. Glass Type I/neutral glass as per USP, EP and JP. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable.

Capacity	Diam.	Height	Neck	Colour	PK	Cat. No.
ml	mm	mm	NS			
10	28	52	10/19	clear	1	**9.070 808**
25	36	64	12/21	clear	1	**9.070 814**
50	42	80	14/15	clear	1	**9.070 817**
100	52	96	14/15	clear	1	**9.070 824**
250	70	130	19/26	clear	1	**9.070 836**
500	86	164	24/29	clear	1	**9.070 844**
1000	107	200	29/32	clear	1	**9.070 854**
2000	134	248	29/32	clear	1	**9.070 863**
5000	182	323	45/40	clear	1	**9.070 873**
10000	227	398	60/46	clear	1	**9.070 886**
50	42	80	14/15	amber	1	**9.070 917**
100	52	96	14/15	amber	1	**9.070 924**
250	70	130	19/26	amber	1	**9.070 936**
500	86	164	24/29	amber	1	**9.070 944**
1000	107	200	29/32	amber	1	**9.070 954**
2000	134	248	29/32	amber	1	**9.070 963**

3

3 Reagent bottles, narrow neck, glass stopper, Pyrex®

NEW!

ISO 4796-2 conformed. Made of Borosilicate glass. With ground neck. Supplied with solid glass stopper.

Scilabware

Capacity	Ext. diam.	stopper size	Height	PK	Cat. No.
ml	mm		mm		
100	54	14/15	106	10	**9.072 371**
250	73	19/26	143	10	**9.072 372**
500	89	24/29	175	10	**9.072 373**
1000	111	29/32	214	10	**9.072 374**
2000	138	29/32	262	10	**9.072 375**
5000	181	45/40	333	1	**9.072 376**
10000	227	60/46	414	1	**9.072 377**
20000	288	60/46	508	1	**9.072 378**

We can **supply** this **manufacturer's whole product range !**

partner of the LLG Lab Logistics Group

DURAN GROUP magic of precision

1 2 Narrow- neck square bottles, soda-lime glass, with screw cap

Soda-lime glass, with high threaded neck. Without closure. Hydrolytical class 3. *DURAN Group*
Clear: without pouring ring and dust cap
Amber: with pouring ring and dust cap

Capacity ml	Diam. mm	Height mm	Neck thread GL	Colour	PK	Cat. No.
100	49	119	32	clear	1	**9.072 051**
250	64	155	32	clear	1	**9.072 052**
500	77	186	32	clear	1	**9.072 055**
1000	97	223	45	clear	1	**9.072 060**
100	49	119	32	amber	1	**9.072 061**
250	64	155	32	amber	1	**9.072 062**
500	77	186	32	amber	1	**9.072 065**
1000	97	223	45	amber	1	**9.072 070**

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3 Tamper-evident caps for DURAN® square screw cap bottles, PP

Blue PP. For square screw cap bottles (soda-lime glass). *DURAN Group*
Type H: Narrow-neck, with high form thread.
Type K: Wide-necked, with short form thread.
Temperature (max.): 140°C

Type	Thread	Diam. mm	Height mm	PK	Cat. No.
32 H	32	45	32	1	**9.072 041**
45 H	45	60	35	1	**9.072 042**
32 K	32	44	23	1	**9.072 092**
45 K	45	58	27	1	**9.072 093**
54 K	54	69	29	1	**9.072 094**
60 K	60	78	29	1	**9.072 095**

3

4 Reagent bottles, narrow neck, Pyrex®

NEW!

- Complies with ISO 4796 *Scilabware*
- Borosilicate glass with unground neck
- For use with rubber stoppers (not supplied)

Capacity ml	Ext. diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
100	54	13	95	10	**9.072 379**
250	73	18	131	1	**9.072 380**
500	89	23	163	10	**9.072 381**
1000	111	28	200	10	**9.072 382**
2000	138	28	248	10	**9.072 383**
5000	187	44	315	1	**9.072 384**
10000	227	59	398	1	**9.072 385**
15000	258	59	460	1	**9.072 386**
20000	288	59	492	1	**9.072 387**

4

1 Dispensers/bottle-top flasks, Dispensette® III, amber soda-lime glass

Amber soda-lime glass.With PP screw cap and PE-LD pouring ring.Reservoir bottles. Space-saving, square design, except 2500ml reservoir which is cylindrical.

BRAND

Capacity ml	Neck thread GL	Width mm	Height mm	PK	Cat. No.
100	32	50	125	1	**9.284 541**
250	32	65	160	1	**9.284 542**
500	32	80	195	1	**9.284 543**
1000	45	95	230	1	**9.284 544**
2500*	45	140	300	1	**9.284 545**

* cylindrical design

2 LLG-Narrow-neck bottles with cap, PE-LD, economy pack

Transparent with cap.

Capacity ml	Diam. mm	Height mm	Thread external dia. mm	PK	Cat. No.
50	37.0	78.0	18	50	**9.073 500**
100	47.0	105.0	18	20	**9.073 501**
250	63.0	119.0	25	10	**9.073 502**
500	78.0	152.0	25	10	**9.073 503**
1000	96.0	206.0	28	4	**9.073 504**
2000	120.0	264.0	28	1	**9.073 505**

3 Narrow-neck bottles, series 301, PE-LD

Natural. Round bottle without closure. Tall, narrow form, leakproof. Easy to handle. Also available with dropper cap or spray cap.
Please order cap separately.

Kautex

Capacity ml	Diam. mm	Height mm	Thread external dia. mm	PK	Cat. No.
10	26.0	46.5	14	1	**9.072 741**
20	31.5	56.5	14	1	**9.072 742**
30	33.5	68.5	14	1	**9.072 743**
50	37.5	86.0	18	1	**9.072 745**
100	47.5	105.0	18	1	**9.072 748**
200	57.5	133.0	18	1	**9.072 751**
250	61.3	140.0	25	1	**9.072 750**
500	75.0	177.0	25	1	**9.072 752**
1000	97.5	223.5	28	1	**9.072 755**
2000	120.0	264.0	28*	1	**9.072 757**
3000	138.0	300.0	32*	1	**9.072 759**
5000	162.0	355.0	40*	1	**9.072 762**

Height in mm without seal.
*includes seal.

4 Round square-shouldered bottles, series 302, PE-LD

Natural. Round. Tall, narrow form, leakproof. Easy to handle. Also available with dropper cap or spray cap.
Please order cap separately.

Kautex

Capacity ml	Diam. mm	Thread external dia. mm	Height mm	PK	Cat. No.
50	36.5	18	80.0	1	**9.073 365**
100	44.5	18	98.5	1	**9.073 366**
250	60.0	25	127.5	1	**9.073 368**
500	75.5	25	160.0	1	**9.073 369**
1000	95.0	28	196.0	1	**9.073 370**

Height in mm without cap.

1 Caps for narrow-neck bottles, series 301/302, PE-LD

Natural.

Kautex

Description	For Type	For bottles ml	For Thread o.d. mm	PK	Cat. No.
Screw-type cap	301	10, 20, 30	14	1	**9.072 771**
Screw-type cap	301, 302	50, 100, 200	18	1	**9.072 773**
Screw-type cap	301, 302	250, 500	25	1	**9.072 775**
Screw-type cap	301, 302	1000, 2000	28	1	**9.072 777**
Screw-type cap	301	3000	32	1	**9.072 778**
Dropping cap *	301	10, 20, 30	14	1	**9.073 314**
Dropping cap *	301, 302	50, 100, 200	18	1	**9.073 315**
Dropping cap *	301, 302	250, 500	25	1	**9.073 318**
Dropping cap *	301, 302	1000, 2000	28	1	**9.073 319**
Small nozzle cap with retaining band, Red PVC	301, 302	all		1	**9.073 320**
Spray cap	301, 302	100	18	1	**9.223 110**
Spray cap	301	200	18	1	**9.223 111**
Spray cap	301, 302	250	25	1	**9.223 112**
Spray cap	301, 302	500	25	1	**9.223 113**
Spray cap	301, 302	1000	28	1	**9.223 114**
Spray cap	301	2000	28	1	**9.223 120**

* with PVC-Nozzle, red.

2 Round Bottles, series 308, PE-HD

Neck design allows sngle handed use.
Used for:
- Packaging
- Storage
- Transport

Please order closure separately.

Kautex

Capacity ml	Diam. mm	Neck diam. mm	Thread external dia. mm	Height mm	PK	Cat. No.
50	32	17.0	22	86.0	1	**9.072 783**
100	41	17.0	22	108.5	1	**9.072 784**
250	56	17.0	22	135.5	1	**9.072 785**
500	70	19.4	25	173.0	1	**9.072 786**
1000	89	19.4	25	211.5	1	**9.072 787**

Height without cap.

3 Caps for Round Bottles, series 308, PP

White caps.

Kautex

Description	For bottles ml	Thread Internal Ø mm	PK	Cat. No.
Neck opening caps	50 / 100 / 250	22	1	**9.072 788**
Neck opening caps	500 / 1000	25	1	**9.072 789**
Cap with lip seal	50 / 100 / 250	22	1	**9.072 790**
Cap with lip seal	500 / 1000	25	1	**9.072 791**

1 Narrow-neck reagent bottles, series 308/310, PE-HD, UN-approved

Kautex

UN-approved (only with the fitting UN-approved closures: 9.073 379 - 381).
Square except 500ml size which is round and has an outside diameter of 77mm.
Available in natural or black. Suitable for transporting hazardous liquids.
Leakproof.
Please order closure separately.

Capacity ml	Colour	Neck thread GL	Weight g	Height mm	Serie	PK	Cat. No.
500	natural	45	50	176.5	308	1	**9.073 373**
1000	natural	45	88	211.8	310	1	**9.073 374**
2500	natural	45	163	282.0	310	1	**9.073 375**
500	black	45	52	176.5	308	1	**9.073 376**
1000	black	45	92	211.8	310	1	**9.073 377**
2500	black	45	167	282.0	310	1	**9.073 378**

Height in mm without closure.

2 Narrow-neck bottles, series 310 "Clear Grip", PP

Kautex

- glass-like transparency and finish (ideal for product presentation)
- purity
- low weight (low density)
- good chemical resistance
- excellent thermal stability
- good stiffness and impact resistance
- autoclavable (max. 121°C)
- easily recyclable

Please order closures separately.

Capacity ml	Neck thread GL	Weight g	Height mm	PK	Cat. No.
100	32	15	108.0	1	**9.073 456**
250	32	21	136.0	1	**9.073 457**
500	45	40	169.0	1	**9.073 458**
1000	45	61	204.0	1	**9.073 459**

3 Square reagent bottles, PE-HD

Kautex

Natural or white. Narrow neck.
Please order closures separately.

Capacity ml	Width mm	Depth mm	Height without closure mm	Thread external dia. mm	Colour	PK	Cat. No.
100	45	45	108.0	32	natural	1	**9.072 850**
250	60	60	136.0	32	natural	1	**9.072 851**
500	74	74	170.0	32	natural	1	**9.072 852**
1000	85	85	221.0	32	natural	1	**9.072 853**
2500	122	122	272.0	45	natural	1	**9.072 854**
100	45	45	108.0	32	white	1	**9.072 855**
250	60	60	136.0	32	white	1	**9.072 856**
500	74	74	170.0	32	white	1	**9.072 857**
1000	85	85	221.0	32	white	1	**9.072 858**
2500	122	122	272.0	45	white	1	**9.072 859**

E & OE.
www.wenk-labtec.com

1 Caps for narrow neck reagent bottles, PP

Kautex

a) Tamper-evident cap, blue, with conical seal and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.
b) Tamper-evident cap, red, with PE foam lining and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.
c) Tamper-evident cap, white/blue, with child-proof lock, conical seal and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.
d) Tamper-evident cap, white/red, with child proof lock, tamper-evident ring, conical seal and degassing membrane. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

e)Tamper-evident cap (not oulined below), red, degassing cap, with conical gasket and degassing membrane.

For bottles ml	For Thread o.d. mm	Figure	PK	Cat. No.
100 to 1000	32	a	1	**9.072 041**
2500	45	a	1	**9.072 862**
100 to 1000	32	b	1	**9.072 863**
2500	45	b	1	**9.072 868**
100 to 1000	32	c	1	**9.072 866**
100 to 1000	32	d	1	**9.072 867**
100 to 1000	32	without Fig.	1	**9.072 905**

2 Narrow-neck bottles Type 1600, FEP with screw cap ETFE

Thermo Scientific

Transparent. Teflon® FEP bottle with leakproof Teflon® ETFE screw cap. Highly resistant to chemicals, corrosion and temperature. Autoclavable - cap should be unscrewed before autoclaving.

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
1600	30	20	1	**9.103 011**
1600	60	20	1	**9.103 012**
1600	125	24	1	**9.103 013**
1600	250	24	1	**9.103 014**
1600	500	28	1	**9.103 015**
1600	1000	38	1	**9.103 016**
1600	2000	38-430*	1	**9.103 017**

* with high form thread.
Teflon® and Tefzel® are a registered trademark of DuPont.

3 Narrow-neck bottles with screw cap Type 2006, PP

Thermo Scientific

PP bottle and screw cap. High level of chemical resistance. Leakproof. Autoclavable - cap must be unscrewed before autoclaving.

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
2006	4	13	12	**9.103 260**
2006	8	20	12	**9.103 261**
2006	15	20	12	**9.103 262**
2006	30	20	12	**9.103 263**
2006	60	20	12	**9.103 264**
2006	125	24	12	**9.103 265**
2006	250	24	12	**9.103 266**
2006	500	24	12	**9.103 267**
2006	1000	38-430*	6	**9.103 268**

* with high form thread.

4 Narrow-neck bottles Type 2002, PE-HD, with screw cap, PP

Thermo Scientific

PE-HD bottle with PP leakproof screw cap. High level of chemical resistance.

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
2002	4	13	12	**9.103 269**
2002	8	20	12	**9.103 270**
2002	15	20	12	**9.103 271**
2002	30	20	12	**9.103 272**
2002	60	24	12	**9.103 273**
2002	125	24	12	**9.103 274**
2002	250	24	12	**9.103 275**
2002	500	28	12	**9.103 276**
2002	500	38-430*	12	**9.103 277**
2002	1000	38-430*	6	**9.103 278**

* with high form thread.

1 Narrow-neck bottles Economy Typ 2087, PPCO, with screw cap, PP

With PP screw cap. General-purpose, single-use sample bottle. Leakproof. Autoclavable. *Thermo Scientific*

Type	Capacity ml	Cover type mm	PK	Cat. No.
2087	30	20	1	**9.103 035**
2087	60	20	1	**9.103 036**
2087	125	24	1	**9.103 037**
2087	250	24	1	**9.103 038**
2087	500	28	1	**9.103 039**
2087	1000	38-430	1	**9.103 040**

2 Aluminium bottles

For storage, transport or shipment of samples/ reference materials that must not be contaminated in any way. *Bürkle*

- Complies with PCB regulations
- With UN approval (60 - 1200ml)
- Pure aluminium (AL99.5 material)
- PP screw cap with internal aluminium seal

Capacity ml	Diam. mm	Height mm	Thread external dia. mm	PK	Cat. No.
38	35	70	38	1	**9.072 168**
60	40	88	38	1	**9.072 169**
120	57	97	38	1	**9.072 170**
300	57	160	38	1	**9.072 171**
600	74	192	38	1	**9.072 172**
1200	88	248	38	1	**9.072 173**

3 DURAN® Stainless Steel Bottle and cap, GL 45, without UN approval

NEW!

- corrosion resistant stainless steel *DURAN Group*
- fully compatible with all the GL 45 caps
- unbreakable
- Hazardous materials laboratory container for storage of liquids, intermediates, or solid product
- Storage of precious materials, such as high purity fine chemicals, pharmaceutical or cosmetic products
- Storage of light sensitive materials

Description	Capacity ml	PK	Cat. No.
DURAN® Group GL 45 Stainless Steel Laboratory Bottle	1500	1	**9.072 175**
DG Stainless steel (316L) cap with PTFE sealing disk, GL 45		1	**9.072 177**

1 2 Square bottles, PE-HD and PVC, with PE-LD screw cap

Square, PE-HD, Natural, translucent bottle with PE-LD screw cap with leakproof seal. *Kautex*
Square, PVC, transparent, rigid bottle with PP screw cap.
Please order screw caps separately.

Capacity ml	Width mm	Depth mm	Height mm	Thread external dia. mm	Material	PK	Cat. No.
100	40.5	32.0	110.5	18	PE-HD	1	**9.072 808**
250	53.5	42.0	146.5	25	PE-HD	1	**9.072 814**
500	63.5	54.5	180.0	25	PE-HD	1	**9.072 819**
1000	84.0	66.0	222.5	25	PE-HD	1	**9.072 824**
250	59.0	38.0	151.5	25	PVC	1	**9.072 914**
500	70.0	50.0	189.0	25	PVC	1	**9.072 919**
1000	87.5	61.0	233.0	25	PVC	1	**9.072 924**

Height in mm without cap.

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3 Caps for PE-HD and PVC square bottles

Kautex

3

Description	For bottles	PK	Cat. No.
Screw cap, natural LDPE	100 ml, HDPE	1	**9.072 773**
Screw cap, natural LDPE	250 to 500 ml, HDPE	1	**9.072 775**
Dropper cap, natural LDPE, with teat*	100 ml, HDPE	1	**9.073 315**
Dropper cap, natural LDPE, with teat*	250, 500 and 1000 ml, HDPE	1	**9.073 318**
Moulded plastic cap, black melamine	100 ml, HDPE	1	**9.073 321**
Moulded plastic cap, black melamine	250, 500 and 1000 ml, HDPE	1	**9.073 322**
Moulded plastic cap, melamine, white	250, 500 and 1000 ml, PVC	1	**9.072 929**
Screw cap, white PP, with washbottle jet	250, 500 and 1000 ml, PVC	1	**9.072 915**

* incl. small captive cap

4 Square bottles Type 2007, PE-HD, with PP screw cap

PE-HD bottle with PP screw cap. Leakproof. *Thermo Scientific*

Type	Capacity ml	Screw cap diam. mm	Width mm	Depth mm	Height mm	PK	Cat. No.
2007	125	28	64	58	102	12	**9.103 279**
2007	250	38	76	48	114	12	**9.103 280**
2007	500	48	94	58	140	12	**9.103 281**
2007	1000	53	125	71	180	6	**9.103 282**
2007	2000	63	152	81	239	4	**9.103 283**

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1 Square bottles Type 2015, PC, with screw cap, PP

PC bottle with leakproof PP screw cap. With moulded graduations and pouring rim. Ideal for storing aqueous solutions and for the short-term storage of cell culture media. Autoclavable.

Thermo Scientific

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
2015	30	20	12	**9.103 284**
2015	60	24	12	**9.103 285**
2015	125	38-430*	6	**9.103 286**
2015	250	38-430*	6	**9.103 287**
2015	500	38-430*	4	**9.103 288**
2015	1000	38-430*	4	**9.103 289**
2015	2000	53B	1	**9.103 077**

* with high form thread.

2 LLG- Safety vented wash bottle, PE-LD

NEW!

Manufactured from PE-LD with safety imprint on wash bottle body in accordance with regulation (EC) No. 1272/2008 (GHS). Dispensing tube is used to optimize the backflow of the medium. The lack of a spray insert and the even molding of the inner diameter allow turbulence free operations. Permanent imprints on the body indicates the statutory information in accordance with GHS and also all important information. The name of the chemical solution inside the bottle is printed in German, English, French and Spanish. Other informations such as chemical formula, CAS number, hazard pictogram, signal word, hazard statements, other phrases and NFPA code is also printed.

Label	Capacity ml	PK	Cat. No.
acetone	500	1	**9.223 504**
distilled water	500	1	**9.223 505**
ethanol	500	1	**9.223 506**
isopropanol	500	1	**9.223 507**
methanol	500	1	**9.223 508**

2 3 LLG- Safety vented wash bottle, PE-LD

NEW!

- Multi-lingual wide neck wash bottles featuring the patented DripLok® vapour venting valve that prevents solvent drips
- Indelibly printed in 4 languages (English, French, German and Spanish)
- Choose from 4 solvent labels all including the new Globally Harmonised Symbols, NFPA diamond, risk phrases and safety information
- Fitted with colour coded one-piece PP closures that maintain their shape in use
- Closures feature precision jet-tip aperture for fine control

Label	Capacity ml	PK	Cat. No.
Acetone	500	1	**9.223 491**
Methanol	500	1	**9.223 492**
Isopropanol	500	1	**9.223 493**
Ethanol	500	1	**9.223 494**

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1 LLG-Wash bottles, narrow neck, PE

Easy to squeeze, semirigid, translucent and excellent clarity. The stream of the liquid can be easily controlled by hand pressure. Dispensing tip provides extra fine stream - tip can be cut back in order to increase the flow rate, if required.

Capacity ml	PK	Cat. No.
100	1	**9.223 500**
250	1	**9.223 501**
500	1	**9.223 502**
1000	1	**9.223 503**

2 Narrow-neck bottles, series 301, PE-LD

Natural. Round bottle without closure. Tall, narrow form, leakproof. Easy to handle. Also available with dropper cap or spray cap. *Kautex*
Please order cap separately.

Capacity ml	Diam. mm	Height mm	Thread external dia. mm	PK	Cat. No.
10	26.0	46.5	14	1	**9.072 741**
20	31.5	56.5	14	1	**9.072 742**
30	33.5	68.5	14	1	**9.072 743**
50	37.5	86.0	18	1	**9.072 745**
100	47.5	105.0	18	1	**9.072 748**
200	57.5	133.0	18	1	**9.072 751**
250	61.3	140.0	25	1	**9.072 750**
500	75.0	177.0	25	1	**9.072 752**
1000	97.5	223.5	28	1	**9.072 755**
2000	120.0	264.0	28*	1	**9.072 757**
3000	138.0	300.0	32*	1	**9.072 759**
5000	162.0	355.0	40*	1	**9.072 762**

Height in mm without seal.
*includes seal.

3 Round, square-shouldered bottles, series 302, PE-LD

Natural. Round. Tall, narrow form, leakproof. Easy to handle. Also available with dropper cap or spray cap. *Kautex*
Please order cap separately.

Capacity ml	Diam. mm	Thread external dia. mm	Height mm	PK	Cat. No.
50	36.5	18	80.0	1	**9.073 365**
100	44.5	18	98.5	1	**9.073 366**
250	60.0	25	127.5	1	**9.073 368**
500	75.5	25	160.0	1	**9.073 369**
1000	95.0	28	196.0	1	**9.073 370**

Height in mm without cap.

We can supply this manufacturer's whole product range !

partner of the LLG Lab Logistics Group

KAUTEX A Texlron Company

1 Caps for narrow-neck bottles, series 301/302, PE-LD

Natural. *Kautex*

Description	For Type	For bottles ml	For Thread o.d. mm	PK	Cat. No.
Screw-type cap	301	10, 20, 30	14	1	**9.072 771**
Screw-type cap	301, 302	50, 100, 200	18	1	**9.072 773**
Screw-type cap	301, 302	250, 500	25	1	**9.072 775**
Screw-type cap	301, 302	1000, 2000	28	1	**9.072 777**
Screw-type cap	301	3000	32	1	**9.072 778**
Dropping cap *	301	10, 20, 30	14	1	**9.073 314**
Dropping cap *	301, 302	50, 100, 200	18	1	**9.073 315**
Dropping cap *	301, 302	250, 500	25	1	**9.073 318**
Dropping cap *	301, 302	1000, 2000	28	1	**9.073 319**
Small nozzle cap with retaining band, Red PVC	301, 302	all		1	**9.073 320**
Spray cap	301, 302	100	18	1	**9.223 110**
Spray cap	301	200	18	1	**9.223 111**
Spray cap	301, 302	250	25	1	**9.223 112**
Spray cap	301, 302	500	25	1	**9.223 113**
Spray cap	301, 302	1000	28	1	**9.223 114**
Spray cap	301	2000	28	1	**9.223 120**

* with PVC-Nozzle, red.

2 Wash bottles Type 2401, PE-LD

PE-LD bottle and suction tube. PP screw cap and suction tube support moulded as one piece . *Thermo Scientific*

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
2401	125	24	1	**9.223 223**
2401	250	24	1	**9.223 224**
2401	500	28	1	**9.223 225**
2401	1000	38-430*	1	**9.223 226**

*with high form thread

3 Wash bottles Type 2403, FEP, with screw cap, ETFE

Screw cap, jet and feed tube are one-piece moulded from ETFE. Ideal for contamination-free work and suitable for trace element analysis. *Thermo Scientific*

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
2403	125	24	1	**9.223 231**
2403	250	24	1	**9.223 232**
2403	500	28	1	**9.223 233**
2403	1000	38	1	**9.223 234**

1 Wide-neck wash bottles, Unitary™, Type 2402, PE-LD, with screw cap, PP

PE-LD Bottle with leakproof PP screw cap. Wide mouth neck. Bottle and dispensing jet are moulded in one piece. *Thermo Scientific*

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
2402	125	24	1	**9.223 236**
2402	250	38	1	**9.223 237**
2402	500	38	1	**9.223 238**
2402	750	38	1	**9.223 239**
2402	1000	43	1	**9.223 240**

2 Wide-mouth wash bottles Unitary™ Type DS2408, PE-LD

Red. PE-LD bottle with leakproof PP screw cap. Bottle and dispensing jet are moulded in one piece. *Thermo Scientific*

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
DS2408	250	38	1	**9.223 252**
DS2408	500	38	1	**9.223 255**

3 VITsafe™ Safety wash bottles, narrow neck, PP/PE-LD

Bottles made from PE-LD, spray tube from PP. *VITLAB*
Safer due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS), as well as with all important information:
- Material name in German, English, French and Spanish
- Chemical formula, CAS No., hazard pictogram, signal word
- Risk phrases (H phrases), safety phrases (P phrases), as well as NFPA Code

Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube. Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure.

Label	Capacity ml	Neck thread GL	Material	PK	Cat. No.
Acetone	250	25	PP	1	**9.223 345**
Acetone	500	25	PP	1	**9.223 351**
Acetone	1000	32	PP	1	**9.223 360**
Acetonitrile	500	25	PE-LD	1	**7.058 640**
Distilled water	250	25	PE-LD	1	**9.223 340**
Distilled water	500	25	PE-LD	1	**9.223 346**
Distilled water	1000	32	PE-LD	1	**9.223 355**
Ethanol	250	25	PE-LD	1	**9.223 344**
Ethanol	500	25	PE-LD	1	**9.223 350**
Ethanol	1000	32	PE-LD	1	**9.223 359**
Ethyl acetate	250	25	PE-LD	1	**9.223 343**
Ethyl acetate	500	25	PE-LD	1	**9.223 349**
Ethyl acetate	1000	32	PE-LD	1	**9.223 358**
Acetic acid	500	25	PE-LD	1	**7.079 737**
Isopropanol	250	25	PE-LD	1	**9.223 342**
Isopropanol	500	25	PE-LD	1	**9.223 348**
Isopropanol	1000	32	PE-LD	1	**9.223 357**
Methanol	250	25	PE-LD	1	**9.223 341**
Methanol	500	25	PE-LD	1	**9.223 347**
Methanol	1000	32	PE-LD	1	**9.223 356**
Methylene chloride	500	25	PE-LD	1	**7.078 722**
Methylethylketone (MEK)	500	25	PP	1	**9.223 354**
N, N-Dimethylformamide	500	25	PE-LD	1	**6.401 458**
Xylene	500	25	PE-LD	1	**7.087 939**
Hexane	500	25	PE-LD	1	**7.009 310**
Heptane	500	25	PE-LD	1	**6.073 505**
Tetrahydrofurane (THF)	500	25	PE-LD	1	**7.087 940**
Toluene	500	25	PE-LD	1	**7.087 938**
Pentan	500	25	PE-LD	1	**6.242 784**

1 VITsafe™ safety wash bottles, wide-mouth, PP/PE-LD

VITLAB

PE-LD or PP Bottles, PP spray tube.
Safer due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS), as well as with all important information:
- Material name in German, English, French and Spanish
- Chemical formula, CAS No., hazard pictogram, signal word
- Risk phrases (H phrases), safety phrases (P phrases), as well as NFPA Code

Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.
Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure.

Label	Capacity ml	Neck thread GL	Material	PK	Cat. No.
Acetone	250	45	PP	1	**9.223 375**
Acetone	500	45	PP	1	**9.223 381**
Acetone	1000	63	PP	1	**9.223 390**
Acetonitril	500	45	PE-LD	1	**6.235 042**
Distilled water	250	45	PE-LD	1	**9.223 370**
Distilled Water	500	45	PE-LD	1	**9.223 376**
Distilled water	1000	63	PE-LD	1	**9.223 385**
Ethanol	250	45	PE-LD	1	**9.223 374**
Acetic acid	500	45	PE-LD	1	**6.234 466**
Ethanol	500	45	PE-LD	1	**9.223 380**
Ethanol	1000	63	PE-LD	1	**9.223 389**
Ethyl acetate	250	45	PE-LD	1	**9.223 373**
Ethyl acetate	500	45	PE-LD	1	**9.223 379**
Ethyl acetate	1000	63	PE-LD	1	**9.223 388**
Isopropanol	250	45	PE-LD	1	**9.223 372**
Isopropanol	500	45	PE-LD	1	**9.223 378**
Hexane	500	45	PE-LD	1	**9.223 391**
Heptane	500	45	PE-LD	1	**9.223 392**
Isopropanol	1000	63	PE-LD	1	**9.223 387**
Methanol	250	45	PE-LD	1	**9.223 371**
Methanol	500	45	PE-LD	1	**9.223 377**
Methanol	1000	63	PE-LD	1	**9.223 386**
Methylethylchloride	500	45	PE-LD	1	**6.225 506**
Methylethylketone (MEK)	500	45	PP	1	**9.223 384**
N,N-Dimethylformamide	500	45	PE-LD	1	**6.225 507**
Pentane	500	45	PE-LD	1	**9.223 397**
Tetrahydrofurane (THF)	500	45	PE-LD	1	**9.223 393**
Toluene	500	45	PE-LD	1	**9.223 394**
Xylol	500	45	PE-LD	1	**9.223 395**

2 Wash bottle caps, Vent-Cap, PP

VITLAB

Screw cap and PP spray tube.
Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Neck thread GL	PK	Cat. No.
25	1	**9.223 400**
32	1	**9.223 401**
45	1	**9.223 402**
63	1	**9.223 403**

We can supply this manufacturer's whole product range !

partner of the LLG Lab Logistics Group

VITLAB Competence in Labware

1 Safety wash bottles, wide mouth, series 303, PE-LD

Laboratory safety wash bottle printed with symbols for hazardous substances. *Kautex*
Leakproof. Description of contents is given in German, English and French.
Scratch-resistant ink. Bottles can be fully emptied thanks to a movable outlet jet, also can be used upside down. Safety note: If the base of the jet is positioned above the liquid level, no liquid will be ejected in the event of a change in temperature. The jet tip is sealed for safety during transport and must be cut before use. With fitted PE-LD washbottle cap.

Type	Cover type	Capacity ml	Thread external dia. mm	Height mm	PK	Cat. No.
Acetone	Red	250	40	120	1	**9.073 355**
Acetone	Red	500	50	154	1	**9.073 356**
Ethanol	Green	250	40	120	1	**9.073 357**
Ethanol	Green	500	50	154	1	**9.073 358**
Isopropanol	Yellow	250	40	120	1	**9.073 359**
Isopropanol	Yellow	500	50	154	1	**9.073 360**
Methanol	Orange	250	40	120	1	**9.073 361**
Methanol	Orange	500	50	154	1	**9.073 362**
Distilled water	Blue	250	40	120	1	**9.073 363**
Distilled water	Blue	500	50	154	1	**9.073 364**

Height in mm without closure.

Wash Bottle Carrier, PP

NEW!

6.801 015

- convenient storage and transport of up to 6 wash bottles
- molded of rugged and lightweight polypropylene
- autoclavable at 121°C
- chemical and corrosion resistant
- secure handle
- holds 250ml or 500 ml bottles
- hole diameter 7.4cm
- 286mm x 194mm x 225mm (w x d x h)

Bel-Art Products

Description	PK	Cat. No.
Wash Bottle Carrier, PP	1	**6.801 015** 2

3 Dropper bottles, PE-HD

Natural. Without PE-HD combination closure with screw-on dropping tip which must be ordered separately. Highly suitable for adhesives and other liquids that can be finely dispensed.

Capacity ml	Diam. mm	PK	Cat. No.
10	24.0	1	**9.073 310**
25	31.3	1	**9.073 311**
50	40.0	1	**9.073 312**

4 Cap for dropping bottles, PE-HD

For bottles 9.073 310 to 9.037 312 series. *Kautex*

Type	PK	Cat. No.
Cap for dropping bottles	1	**9.073 313**

1 Dropper bottle Type 2414, FEP/ETFE

Teflon® FEP bottle. Tefzel® ETFE dropper and cap. Excellent chemical resistance. Autoclavable.

Thermo Scientific

Type	Capacity ml	PK	Cat. No.
2414	30	1	**9.073 300**

Teflon® and Tefzel® are a registered trademark of DuPont.

2 Pressure atomizer LaboPlast®, PE-HD

PE/PP/glass-fibre reinforced PA, V2A, FKM/bottle material: PE-HD. With short spray nozzle. Left-handed and right-handed pistol control. The pressurised spray has a working pressure of 4 bar.

Bürkle

Capacity ml	Ext. diam. mm	Height mm	Neck diam. mm	Weight g	PK	Cat. No.
1500	142	315	45	520	1	**9.223 162**

Bürkle

Type	PK	Cat. No.
Spray lance, 300mm long	1	**9.223 165**
Foam jet	1	**9.223 166**

3 Spray bottles LaboPlast®, PE/PP

Chemical resistant to a large extend. Trigger-action spray pump with steplessly adjustable spray nozzle.

Bürkle

Capacity ml	Ext. diam. mm	Height mm	Neck diam. mm	Weight g	PK	Cat. No.
250	60	220	18.0	80	1	**9.223 152**
500	75	240	18.0	95	1	**9.223 155**
1000	98	295	17.5	130	1	**9.223 160**

4 5 Spray bottle Turnn'Spray with overhead valve, PE/PP

NEW!

Spraying over your head is not possible with standard spray bottles. As soon as the suction tube is no longer immersed in liquid, you can't spray any more. Not so with our overhead spray bottle Turn'n'Spray. It features a special technology that allows you to spray from any position. That means you can spray practically and conveniently from any direction and reach hard-to-access places easily and without straining. The high-quality, refillable quality spray bottle can be used again and again.

Bürkle

- Uninterrupted spraying, even over your head
- Parts in contact with media made of PP, PE, silicon and stainless steel
- Nozzle diameter 0.6mm, nozzle is continuously adjustable
- Amount sprayed per stroke: 1.2ml ±0.1

Capacity ml	Height with closure mm	Neck diam. mm	PK	Cat. No.
250	220	19	1	**6.252 153**
500	240	19	1	**6.252 154**
1000	295	19	1	**6.252 166**

1 LLG-Funnel, borosilicate glass 3.3

With short stem. Cone angle of 60°. Standard borosilicate funnels with a high heat stability. All funnels have a cone angle of 60° and therefore offer an optimum fit for all filter sizes. DIN ISO 4798

Funnel diam. mm	Height mm	For filter paper dia. mm	PK	Cat. No.
40	70	55 - 70	1	**9.251 200**
60	100	70 - 90	1	**9.251 201**
80	140	125 - 150	1	**9.251 202**
100	180	150 - 185	1	**9.251 203**
120	210	185 - 240	1	**9.251 204**
150	250	240 - 270	1	**9.251 205**

2 Funnels, soda-lime glass

DIN ISO 4798. With short stem. *DURAN Group*

Diam. mm	Height mm	For filter paper dia. mm	PK	Cat. No.
35	60	45 to 55	1	**9.251 003**
45	80	55 to 70*	1	**9.251 005**
55	95	70 to 90	1	**9.251 007**
70	125	110 to 125	1	**9.251 011**
80	140	125 to 150	1	**9.251 016**
100	180	150 to 185	1	**9.251 019**

* Not to DIN ISO 4798.

3 Funnels, DURAN®

DIN ISO 4798. With short stem. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Diam. mm	Height mm	For filter paper dia. mm	PK	Cat. No.
35	60	45 to 55	1	**9.251 123**
45	80	55 to 70	1	**9.251 128**
55	95	70 to 90	1	**9.251 133**
70	125	110 to 125	1	**9.251 138**
80	140	125 to 150	1	**9.251 141**
100	180	150 to 185	1	**9.251 146**
120	210	185 to 240	1	**9.251 023**
150	265	240 to 270	1	**9.251 157**
200	325	320 to 385	1	**9.251 161**
300	409	500	1	**9.251 169**

4 Analytical funnels, DURAN®

For rapid filtration. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Diam. mm	Height mm	For filter paper dia. mm	PK	Cat. No.
65	200	70 to 90	1	**9.251 237**
80	210	110 to 125	1	**9.251 241**
110	265	150 to 185	1	**9.251 248**

LLG-Filter paper - please see page 682.

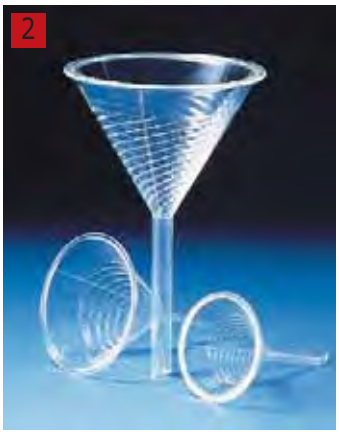
1

1 LLG-Fast filtration funnels with internal rib, PP

- clear, virgin polypropylene.
- polypropylene funnels are autoclavable at 121°C and 1.1 bar for 30 minutes.
- external ribs prevent airlock and back pressure.
- with internal helicoidal rib which prevents filter papers from sticking and increases filtration speed.

Funnel diam. mm	Shaft diam. mm	Stem length mm	For filter paper dia. mm	PK	Cat. No.
40	6.0	40	55 - 70	10	**9.251 191**
60	8.0	60	70 - 90	10	**9.251 192**
80	8.0	80	125 - 150	10	**9.251 193**
80	9.0	150	125 - 150	10	**9.251 197**
100	10.0	100	150 - 185	10	**9.251 194**
120	16.0	120	185 - 240	10	**9.251 195**
150	16.0	150	240 - 270	10	**9.251 196**

2



2 Urbanti TPX rapid funnels, Bel-Art

TPX clear. For rapid filtration. Ribbed inside. Heat resistant up to 177°C. Autoclavable.

Top diam. mm	Stem int. diam. mm	Stem ext. diam. mm	For filter paper dia. mm	PK	Cat. No.
51	3	7.5	75 to 90	1	**9.251 391**
70	3	7.5	110 to 125	1	**9.251 392**
70	7	10.0	110 to 125	1	**9.251 393**
100	7	10.0	150 to 185	1	**9.251 394**
140	10	16.0	240 to 270	1	**9.251 395**
196	20	26.0	320 to 385	1	**9.251 396**

3

3 LLG-Funnels, PP

- clear, virgin polypropylene.
- polypropylene funnels are autoclavable at 121°C and 1.1 bar for 30 minutes.
- external ribs prevent airlock and back pressure.

Funnel diam. mm	Shaft diam. mm	Stem length mm	For filter paper dia. mm	PK	Cat. No.
40	6.0	40	55 - 70	10	**9.251 185**
60	8.0	60	70 - 90	10	**9.251 186**
80	8.0	80	125 - 150	10	**9.251 187**
100	10.0	100	150 - 185	10	**9.251 188**
120	16.0	120	185 - 240	10	**9.251 189**
150	16.0	150	240 - 270	10	**9.251 190**

4

4 Funnels, PP

Transparent. Rapid flow due to a steep 60° angle. *VITLAB*
Practical handle with loop for hanging.
Food-safe product according to EC Directive No. 10/2011.

Funnel diam. mm	Shaft diam. mm	Length*	Height mm	PK	Cat. No.
30	1.5	25	45	1	**9.251 602**
30	4.0	25	47	1	**9.251 605**
40	4.0	35	65	1	**9.251 610**
50	7.0	43	85	1	**9.251 615**
75	6.0	55	110	1	**9.251 620**
100	8.0	77	155	1	**9.251 625**
120	11.0	90	180	1	**9.251 630**
150	15.0	95	220	1	**9.251 635**

* Stem length (mm)

1 Barrel funnels, PP/PE-HD

Transparent. Rapid flow due to a steep 60° angle. Practical handle for hanging.
Suitable for filling large amounts of liquids.
Cat. No. 9.251 640, 9.251 645 and 9.251 650 are food-safe products according to EC Directive No. 10/2011.

Funnel diam. mm	Stem diam. mm	Length*	Height mm	Material	PK	Cat. No.
200	22	90	200	PP	1	**9.251 640**
250	30	100	260	PP	1	**9.251 645**
350	35	170	440	PP	1	**9.251 650**
400	42	150	365	PE-HD	1	**9.251 655**
430	37	420	420	PE-HD	1	**9.251 660**

* Stem length (mm)

2 Funnels, stainless steel Remanit® 4301

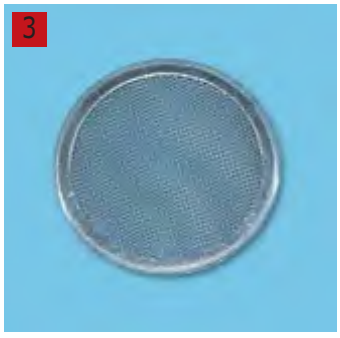
With filling vent and handle. *RSG*

Funnel diam. mm	Tube diam. mm	Height mm	PK	Cat. No.
50*	8.0	90	1	**6.231 805**
80*	12.0	115	1	**9.251 208**
100	12.0	125	1	**9.251 210**
120	13.0	145	1	**9.251 212**
150	17.0	190	1	**9.251 215**
200	18.0	220	1	**9.251 220**
250	18.0	260	1	**9.251 225**

* without handle.

3 Sieve filter for barrel funnels

For 9.251 640 and 9.251 645.



Type	Diam. mm	PK	Cat. No.
Sieve filter	50	1	**9.251 665**

4 Powder funnels, PP

Transparent.
With short, wide stem. For transfer of powdered and granular substances. Rapid flow due to a steep 60° angle.
Food-safe products according to EC Directive No. 10/2011.

Funnel diam. mm	Height mm	Stem diam. mm	PK	Cat. No.
65	68	15	1	**9.251 720**
80	76	21	1	**9.251 725**
100	94	22	1	**9.251 730**
120	110	26	1	**9.251 735**
150	138	28	1	**9.251 740**
180	160	43	1	**9.251 741**

5 Powder funnels, soda-lime glass

Hydrolytical class 3. With short wide stem.

Funnel diam. mm	Height mm	Stem diam. mm	PK	Cat. No.
55	60	20	1	**9.251 307**
70	72	22	1	**9.251 311**
80	79	24	1	**9.251 316**
100	94	26	1	**9.251 319**

1 Powder funnels, DURAN®

With short, wide stem.

Funnel diam. mm	Height mm	Stem diam. mm	PK	Cat. No.
120	105	34	1	**9.251 323**
160	140	35	1	**9.251 332**
200	170	40	1	**9.251 338**

2 Powder funnels, borosilicate glass 3.3, with NS-cone

With short stem and NS cone.

Funnel diam. mm	NS	Stem diam. mm	PK	Cat. No.
60	14/23	13	1	**4.008 433**
80	19/26	17	1	**4.008 434**
100	24/29	22	1	**4.008 435**
120	29/32	26	1	**4.008 436**

9.251 343

Solid addition funnels with NS cone, Duran® tubing

Duran® tubing. 60°C angle. With stopper and NS cone.

Funnel diam. mm	NS	PK	Cat. No.
45	14 / 23	1	**9.251 340**
55	19 / 26	1	**9.251 341**
70	24 / 29	1	**9.251 342**
80	29 / 32	1	**9.251 343**

4 Standard joint funnels, PP

Transparent.
For multi-neck flasks, laterally flattened, suitable for standard joint necks of various sizes.
Suitable for the filling of liquid or powdered reagents into a reaction flask, specially for loading of multi-neck flasks during a reaction.
Food-safe product according to EC Directive No. 10/2011.

Funnel diam. mm	Height mm	NS	PK	Cat. No.
40	75	14 / 23	1	**9.251 814**
50	95	19 / 26	1	**9.251 819**
75	135	29 / 32	1	**9.251 829**

5 LLG-Funnel holder, PP

Manufactured from best quality polypropylene. Suitable to hold all types of laboratory funnels with diameters up to 150mm. Two tapered wedges are provided to ensure firm grip on funnels having diameters of 10-13mm.

Description	PK	Cat. No.
LLG-Funnel holder	1	**9.251 558**

1 LLG-Funnel holders, stainless steel, with or without boss head

These funnel holders are suitable to hold all types of funnels with a diameter up to 150mm. They can also accommodate separating funnels (up to 1000ml). With or without boss head.

Diam. mm	Description	PK	Cat. No.
40	without boss head	1	**9.251 550**
60	without boss head	1	**9.251 551**
80	without boss head	1	**9.251 552**
100	without boss head	1	**9.251 553**
40	with boss head	1	**9.251 554**
60	with boss head	1	**9.251 555**
80	with boss head	1	**9.251 556**
100	with boss head	1	**9.251 557**

2 Funnel stands LaboPlast®, PP

White PP, reinforced glass-fibre. For 2 or 4 funnels. Corrosion resistant. Robust, heavy base provides good stability. Funnel holders are fully height-adjustable. With aperture reduction insert for small funnels. Suitable for funnels of 40mm Ø to 160mm Ø.

To hold funnels piece	Width mm	Length mm	Height mm	PK	Cat. No.
2	140	300	480	1	**9.069 922**
4	150	550	500	1	**9.069 924**

3 Funnel holders, PP

Polypropylene. Single or double holder for funnels from 25mm (with adapter supplied) up to 170mm diameter. Without adapter they can be used for powder funnels with stem diameters not exceeding 35mm. Two clamp adapters are provided for use with rods from 8mm to 14mm. *Kartell*

To hold funnels piece	PK	Cat. No.
1	1	**9.251 561**
2	1	**9.251 560**

4 Funnel holders, stainless steel

Adjustable height 140 to 220 mm. Inner diameter upper ring: 47 mm. *Isolab*

Description	PK	Cat. No.
Funnel holders	1	**4.008 510**

1 Gas jars, DURAN®

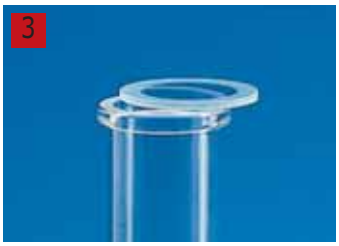
DURAN®. With base. Rim flanged and surface-ground. Autoclavable. *DURAN Group*

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
130	40	100	1	**9.318 107**
250	40	200	1	**9.318 134**
500	40	400	1	**9.318 168**
570	60	200	1	**9.318 136**
700	60	250	1	**9.318 146**

2 Gas jars, DURAN®

DURAN®. With base. Rim roughly ground. Autoclavable. *DURAN Group*

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
250	40	200	1	**9.318 034**
300	50	150	1	**9.318 021**
380	40	300	1	**9.318 052**
500	40	400	1	**9.318 068**
570	60	200	1	**9.318 036**
600	50	300	1	**9.318 053**
700	60	250	1	**9.318 046**
1000	50	500	1	**9.318 080**
1500	65	450	1	**9.318 077**
2000	80	400	1	**9.318 074**



3 Gas jar covers, glass

For gas jars. Clear glass.

For dia. mm	PK	Cat. No.
50	1	**9.318 407**
60	1	**9.318 408**
70	1	**9.318 409**
90	1	**9.318 411**

4 Pneumatic trough, glass

Cylindrical. Heavy glass.

Diam. mm	Height mm	PK	Cat. No.
250	125	1	**9.172 305**

5 Glass cylinders with knob lid, DURAN®

DURAN®. With knob lid and polished rim. *DURAN Group*

Diam. mm	Height mm	PK	Cat. No.
80	80	1	**9.318 201**
100	100	1	**9.318 203**
120	120	1	**9.318 205**
150	150	1	**9.318 210**
210	210	1	**9.318 221**
260	260	1	**9.318 232**

1 Watch glasses, Soda-lime glass

To DIN 12341. Ground edges. Hydrolytical class 3.

Diam. mm	PK	Cat. No.
40	1	**9.263 004**
50	1	**9.263 005**
60	1	**9.263 006**
70	1	**9.263 007**
80	1	**9.263 008**
90	1	**9.263 009**
100	1	**9.263 010**
110	1	**9.263 011**
120	1	**9.263 013**
125	1	**9.263 012**
150	1	**9.263 015**
200	1	**9.263 020**
250	1	**9.263 025**

2 Watch glasses, Borosilicate glass 3.3

DIN 12341. Flame-polished edges. Autoclavable.

Diam. mm	PK	Cat. No.
50	10	**9.263 470**
60	10	**9.263 471**
70	10	**9.263 472**
80	10	**9.263 473**
100	10	**9.263 474**
125	10	**9.263 475**
150	10	**9.263 476**
200	10	**9.263 477**

3 Watch glasses, DURAN®

DURAN®. DIN 12341. Flame-polished edges. Autoclavable. *DURAN Group*

Diam. mm	PK	Cat. No.
40	1	**9.263 424**
50	1	**9.263 432**
60	1	**9.263 434**
80	1	**9.263 441**
100	1	**9.263 446**
125	1	**9.263 452**
150	1	**9.263 457**
200	1	**9.263 461**
250	1	**9.263 466**

4 Watch glasses, PP

With base. Resistant to steam sterilisation (121°C). *Kartell*

Diam. mm	PK	Cat. No.
60	1	**9.263 526**
80	1	**9.263 528**
100	1	**9.263 530**
125	1	**9.263 532**

5 Evaporating dishes, DURAN®

DURAN®. DIN 12336. Flat-bottom with spout. Autoclavable. *DURAN Group*

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
15	50	25	1	**9.000 032**
45	60	30	1	**9.000 034**
60	70	35	1	**9.000 038**
90	80	45	1	**9.000 041**
170	95	55	1	**9.000 044**
320	115	65	1	**9.000 049**
600	140	80	1	**9.000 054**
1500	190	100	1	**9.000 059**
2500	230	130	1	**9.000 063**

1 Evaporating basins, Quartz glass

Transparent silica (Quartz glass). In accordance with DIN 12336. Flat-bottom with spout.

proQuarz GmbH

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
10	40	18	1	**9.000 110**
15	50	25	1	**9.000 111**
45	60	30	1	**9.000 112**
60	70	35	1	**9.000 113**
90	80	45	1	**9.000 114**
170	95	55	1	**9.000 115**
320	115	65	1	**9.000 116**

2 3 LLG-Crystallising dishes, borosilicate glass

NEW!

Crystallising dishes with or without drain. DIN 12337/12338. Autoclavable.

Capacity ml	Diam. mm	Height mm	DIN	Description	PK	Cat. No.
20	40	25	12337	without drain	1	**7.616 800**
40	50	30	12337	without drain	1	**6.228 031**
60	60	35	12337	without drain	1	**6.236 596**
100	70	40	12337	without drain	1	**6.233 757**
150	80	45	12337	without drain	1	**6.227 688**
300	95	55	12337	without drain	1	**6.205 104**
500	115	65	12337	without drain	1	**6.205 105**
900	140	75	12337	without drain	1	**6.236 597**
2000	190	90	12337	without drain	1	**6.236 598**
3500	230	100	12337	without drain	1	**6.236 599**
20	40	25	12338	with drain	1	**6.226 043**
40	50	30	12338	with drain	1	**7.616 171**
60	60	35	12338	with drain	1	**6.227 922**
100	70	40	12338	with drain	1	**6.228 387**
150	80	45	12338	with drain	1	**6.225 256**
300	95	55	12338	with drain	1	**6.803 567**
500	115	65	12338	with drain	1	**6.223 298**
900	140	75	12338	with drain	1	**6.206 856**
2000	190	90	12338	with drain	1	**6.803 371**
3500	230	100	12338	with drain	1	**6.231 072**

4 Crystallising dishes, DURAN®

DURAN®. To DIN 12337 and DIN 12338. With spout. Dishes with capacity of 100ml and above have labelling patch. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
20	40	25	1	**9.144 024**
40	50	30	1	**9.144 032**
60	60	35	1	**9.144 034**
100	70	40	1	**9.144 038**
150	80	45	1	**9.144 041**
300	95	55	1	**9.144 044**
500	115	65	1	**9.144 049**
900	140	75	1	**9.144 054**
2000	190	90	1	**9.144 059**
3500	230	100	1	**9.144 063**

9.000 074

Crystallising dishes, flat bottom, Pyrex®

NEW!

- Complies to DIN 12337
- Manufactured from Pyrex® borosilicate glass
- Suitable for use up to 400°C
- Chemically and thermally resistant

Scilabware

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
100	70	40	10	**9.000 074** 5
500	115	65	10	**9.000 075**
900	140	75	10	**9.000 076**
2000	190	90	10	**9.000 077**

1 LLG-Porcelain evaporating dishes with spout, flat bottom, shallow form

Glazed.

Capacity ml	Ext. diam. mm	Height mm	DIN	PK	Cat. No.
10	50	10	12903	1	**9.115 301**
20	60	14	12903	1	**9.115 302**
28	75	15		1	**9.115 305**
55	80	20	12903	1	**9.115 303**
110	100	25	12903	1	**6.231 540**
250	130	30	12903	1	**9.115 304**
450	160	40		1	**9.115 306**
1100	200	55		1	**9.115 307**
1750	250	55		1	**9.115 308**

2 Evaporating basins, porcelain, shallow form

Glazed inside and outside except for rim. *Haldenwanger*

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
8*	40	9	1	**9.000 204**
10*	50	11	1	**9.000 205**
20*	63	13	1	**9.000 206**
40*	80	20	1	**9.000 208**
80*	100	22	1	**9.000 210**
270*	125	25	1	**9.000 212**
450	160	35	1	**9.000 216**
1100	190	55	1	**9.000 220**
1750	240	65	1	**9.000 225**
2500	300	60	1	**9.000 230**

*According to DIN standard

3 LLG-Porcelain evaporating dishes with spout, round bottom, medium form

Glazed.

Capacity ml	Ext. diam. mm	Height mm	DIN	PK	Cat. No.
10	40	16	12903	1	**9.115 310**
20	50	20	12903	1	**9.115 311**
30	63	25	12903	1	**6.239 177**
60	80	32	12903	1	**9.115 312**
150	100	40	12903	1	**9.115 313**
285	125	50	12903	1	**9.115 314**
700	170	74	12903	1	**9.115 315**
1000	200	80	12903	1	**9.115 316**
41	72	26		1	**9.000 150**
62	83	27		1	**9.000 151**
110	96	30		1	**9.000 152**
240	127	42		1	**9.000 153**
420	154	50		1	**6.232 525**
558	170	55		1	**9.000 154**

4 LLG-Porcelain evaporating dishes with spout, flat bottom, medium form

NEW!

Glazed.

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
93	86	33	1	**6.251 474**
1000	195	74	1	**6.241 820**

1 Evaporating basins, porcelain, medium form

Round bottom with spout. DIN 12903. 10 to 310ml sizes are completely glazed inside and out. 640 to 3400ml sizes are glazed with the exception of the outer base.

Haldenwanger

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
10	40	16	1	**9.000 304**
25	50	20	1	**9.000 305**
35	63	25	1	**9.000 306**
75	80	32	1	**9.000 308**
115	100	40	1	**9.000 310**
250	115	50	1	**9.000 312**
580	160	64	1	**9.000 316**
1000	200	80	1	**9.000 320**
2200	250	86	1	**9.000 325**
3400	310	110	1	**9.000 330**

2 Evaporating basins, 18/10 steel

18/10 steel. Cylindrical.

Bochem

Description	Capacity ml	Diam. mm	Height mm	PK	Cat. No.
Tall	125	75	35	1	**9.000 460**
Tall	250	85	50	1	**9.000 461**
Tall	500	110	55	1	**9.000 462**
Shallow	50	60	20	1	**9.000 470**
Shallow	75	70	20	1	**9.000 471**
Shallow	100	80	20	1	**9.000 472**

3 LLG Crucible with porcelaine handle

NEW!

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
22	45	26	1	**7.656 131**

4 Porcelain Crucible

To DIN 12907. Glazed inside and outside except for rim.

Haldenwanger

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
80	63	35	1	**9.140 113**
140	80	45	1	**9.140 114**
290	100	65	1	**9.140 115**
500	125	70	1	**9.140 116**
1300	160	97	1	**9.140 118**
2600	215	112	1	**9.140 119**

Capacity brimful. Dimensions may vary by up to 4%.

5 Bowls, PP

Round , white with broad, stable edge and circumferential standing ring on the bottom. Food-safe product according to EC Directive No. 10/2011.

VITLAB

Capacity Litres	Ext. diam. mm	Height mm	PK	Cat. No.
1	160	70	1	**9.301 216**
2	200	80	1	**9.301 220**
3	240	100	1	**9.301 224**
4	280	120	1	**9.301 228**
7	320	130	1	**9.301 232**
9	360	150	1	**9.301 236**
13	400	180	1	**9.301 240**

1 Laboratory-bowls, 18/10 steel

With flanged rim. Polished finish. *Bochem*

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
1000	165	75	1	**9.200 518**
2000	220	75	1	**9.200 524**
3000	240	95	1	**9.200 526**
4500	260	120	1	**9.200 529**
6000	305	120	1	**9.200 533**
8000	320	145	1	**9.200 536**

1

2 Instrument trays, melamine resin

White, melamine resin. Autoclavable (121°C)

Width mm	Length mm	Height mm	PK	Cat. No.
190	150	20	1	**7.608 352**
240	180	20	1	**9.200 324**
270	210	20	1	**9.200 327**
300	150	20	1	**9.200 328**
300	190	20	1	**7.055 383**
360	240	20	1	**9.200 335**
430	290	20	1	**9.200 345**

7.603 295 with handle bar

2

3 Instrument boxes, melamine resin

Melamine resin. Base section is autoclavable (121°C).
Please order lid separately.

Width mm	Length mm	Height mm	PK	Cat. No.
110	210	30	1	**9.200 177**
150	190	40	1	**9.200 170**
160	290	30	1	**9.200 165**
160	290	60	1	**9.200 160**
240	350	40	1	**9.200 155**
250	350	100	1	**9.200 150**

3

4 Lids, PS for instrument boxes

For	PK	Cat. No.
9.200 177	1	**9.200 181**
9.200 170	1	**9.200 182**
9.200 165 und 9.200 160	1	**9.200 183**
9.200 155 und 9.200 150	1	**9.200 184**

4

5 Trays, stainless stell

RSG

Width mm	Length mm	Height mm	PK	Cat. No.
110	170	20	1	**9.150 722**
120	200	20	1	**9.150 723**
140	220	28	1	**9.150 724**
180	240	30	1	**9.150 726**
180	260	30	1	**9.150 727**
180	280	30	1	**9.150 728**
210	310	40	1	**9.150 729**
250	350	40	1	**9.150 730**
280	420	50	1	**9.150 732**
340	520	50	1	**9.150 733**

5

1 Instrument boxes, glass

Glass. With vertical walls and polished rims.
With or without stainless steel lid. Dimensions stated are nominal.

Lid	Width mm	Length mm	Height mm	PK	Cat. No.
without	60	120	40	1	**9.200 014**
without	90	170	45	1	**9.200 017**
without	100	200	50	1	**9.200 020**
without	100	200	100	1	**9.200 037**
without	150	220	55	1	**9.200 022**
without	150	275	60	1	**9.200 028**
without	220	350	70	1	**9.200 035**
with	60	120	40	1	**9.200 114**
with	90	170	45	1	**9.200 117**
with	100	200	50	1	**9.200 120**
with	100	200	100	1	**9.200 137**
with	150	220	55	1	**9.200 122**
with	150	280	60	1	**9.200 128**
with	220	350	70	1	**9.200 135**

2 Instrument boxes, stainless steel 18/10

Stainless steel 18/10. Satin finish. With knob lid.

Width mm	Length mm	Height mm	PK	Cat. No.
80	120	40	1	**9.200 412**
100	160	30	1	**9.200 416**
100	200	50	1	**9.200 420**
150	260	50	1	**9.200 426**
200	300	50	1	**9.200 430**
180	280	60	1	**9.200 428**
200	400	80	1	**9.200 440**
300	500	100	1	**9.200 450**

3 Trays and Screen Baskets from Stainless Steel

NEW!

For Transport, Cleaning, Sterilization and Storage of laboratory equipment and instruments.

Dürr Metalltechnik

- Improves cleaning results by up to 30%, secure, efficient, practical, economic
- Protected honeycomb structure guarantees high levels of stability
- Can be deployed individually
- No "dead angles" when rinsing your instruments, ensuring a much more through cleaning
- Multifunctional holders for instruments

Description	Dimensions (W x D x H) mm	PK	Cat. No.
Screen basket, 1/2 STE	240 x 240 x 30	1	**9.033 450**
Screen basket, 1/2 STE	240 x 240 x 50	1	**9.033 451**
Screen basket, 1/2 STE	240 x 240 x 70	1	**9.033 452**
Screen basket, 3/4 STE	400 x 240 x 30	1	**9.033 453**
Screen basket, 3/4 STE	400 x 240 x 50	1	**9.033 454**
Screen basket, 3/4 STE	400 x 240 x 70	1	**9.033 455**
Screen basket, normal	480 x 240 x 30	1	**9.033 456**
Screen basket, normal	480 x 240 x 50	1	**9.033 457**
Screen basket, normal	480 x 240 x 70	1	**9.033 458**
Lid for wash tray	243 x 243	1	**9.033 470**
Lid for wash tray	403 x 243	1	**9.033 471**
Lid for wash tray	483 x 243	1	**9.033 472**

4 Laboratory trays LaboPlast®, PP

White multi-purpose trays. Injection-moulded. Durable and resist flexing, with strong, rounded rim. Stackable and hygienic. Polished surface is easy to clean. Resistant to many acids and alkaline solutions. Food Safe.

Bürkle

Internal dimensions mm	Width mm	Length mm	Height mm	PK	Cat. No.
130 x 180	230	180	42	1	**9.200 203**
180 x 240	310	250	65	1	**9.200 204**
240 x 300	370	310	75	1	**9.200 205**
300 x 400	520	420	120	1	**9.200 206**
400 x 500	634	534	140	1	**9.200 207**
500 x 700	846	648	160	1	**9.200 208**

1 Photographic trays LaboPlast®, PVC, with or without grooves

White, with or without grooves in the base. Temperature resistant up to +70°C.
Trays in red or black available on request.

Base	Type	Width mm	Length mm	Height mm	PK	Cat. No.
140 x 190	with grooves	230	180	40	1	**9.200 220**
190 x 260	with grooves	320	240	50	1	**9.200 225**
260 x 320	with grooves	370	320	50	1	**9.200 232**
310 x 410	with grooves	530	430	105	1	**9.200 243**
420 x 510	with grooves	610	520	110	1	**9.200 252**
510 x 610	with grooves	730	630	110	1	**9.200 267**
110 x 160	without grooves	200	150	30	1	**9.200 269**
140 x 190	without grooves	230	180	40	1	**9.200 270**
190 x 260	without grooves	320	240	50	1	**9.200 275**
260 x 320	without grooves	370	320	50	1	**9.200 282**
310 x 410	without grooves	530	430	105	1	**9.200 283**
420 x 510	without grooves	610	520	110	1	**9.200 292**
510 x 610	without grooves	730	630	110	1	**9.200 297**

2 Photographic trays, PVC

PVC. With ribbed base. *Kartell*

Width mm	Length mm	Height mm	PK	Cat. No.
150	200	45	1	**9.200 372**
200	250	60	1	**9.200 373**
260	320	70	1	**9.200 374**
300	350	80	1	**9.200 375**
330	430	90	1	**9.200 376**
420	520	90	1	**9.200 377**
530	675	100	1	**9.200 378**
420	540	180	1	**9.200 379**

3 Photographic trays, 18/10 steel

18/10 steel. With rounded edges. *Mühlacker*

Width mm	Length mm	Height mm	PK	Cat. No.
140	190	50	1	**9.200 700**
180	250	60	1	**9.200 701**
190	260	50	1	**9.200 702**
260	320	60	1	**9.200 703**
240	350	70	1	**9.200 704**
270	400	80	1	**9.200 705**
330	500	100	1	**9.200 706**

4 Tidy trays, PVC

PVC. With compartments. For use as drawer trays or bench tidy trays. *Kartell*

Compart-ments no.	Width mm	Length mm	Height mm	PK	Cat. No.
5	304	404	64	1	**9.200 370**
12	303	403	63	1	**9.200 380**

5 Pipette tray, PVC

PVC. For pipettes of all sizes. Can accommodate 7 pipettes with overall stem diameter not exceeding 20mm longitudinally or 16 pipettes with stem diameter not exceeding 10mm laterally. *Kartell*

Width mm	Length mm	Height mm	PK	Cat. No.
220	280	39	1	**9.200 392**

6 Pipette tray, PVC

PVC. Tidy tray. With 4 long compartments for approx. 30 graduated pipettes (1ml to 20ml). *Kartell*

Width mm	Length mm	Height mm	PK	Cat. No.
300	420	30	1	**9.200 394**

1

1 LLG-Porcelain crucibles, low, DIN 12904

To DIN 12904. Glazed.

Capacity ml	Ext. diam. mm	Height mm	Form	PK	Cat. No.
5	30	19	Low form	1	**9.250 900**
10	35	22	Low form	1	**9.250 901**
17	40	25	Low form	1	**9.250 902**
21	45	28	Low form	1	**9.250 903**
34	50	32	Low form	1	**9.250 904**
63	60	38	Low form	1	**9.250 905**
91	70	44	Low form	1	**9.250 906**

2

2 LLG-Porcelain crucibles, medium, DIN 12904

To DIN 12904. Glazed.

Capacity ml	Ext. diam. mm	Height mm	Form	PK	Cat. No.
10*	30	25	Medium form	1	**9.250 907**
12	35	28	Medium form	1	**9.250 910**
20	40	32	Medium form	1	**9.250 911**
30	45	36	Medium form	1	**9.250 912**
45	50	40	Medium form	1	**9.250 913**
80	60	48	Medium form	1	**9.250 914**
120	70	56	Medium form	1	**9.250 915**
200*	80	62	Medium form	1	**9.250 916**

* Non to DIN

3

3 LLG-Porcelain crucibles, tall, DIN 12904

To DIN 12904. Glazed.

Capacity ml	Ext. diam. mm	Height mm	Form	PK	Cat. No.
15	30	38	Tall form	1	**9.250 920**
26	35	44	Tall form	1	**9.250 921**
35	40	50	Tall form	1	**9.250 922**
50	45	56	Tall form	1	**9.250 923**
72	50	62	Tall form	1	**9.250 924**
130	60	75	Tall form	1	**9.250 925**

4

4 LLG-Porcelain filter crucibles, with porous bottom

NEW!

To Din 12909. Glazed.

Capacity ml	Ext. diam. mm	Height mm	Pore size µm	PK	Cat. No.
8	25	28	6	1	**9.052 080**
8	25	28	7	1	**9.052 081**
8	25	28	8	1	**9.052 082**
15	30	35	6	1	**9.052 083**
15	30	35	7	1	**9.052 084**
15	30	35	8	1	**9.052 085**
25	35	40	6	1	**6.233 176**
25	35	40	7	1	**6.233 748**
25	35	40	8	1	**9.052 086**
35	40	43	6	1	**9.052 087**
35	40	43	7	1	**9.052 088**
35	40	43	8	1	**9.052 089**
50	45	50	6	1	**9.052 090**
50	45	50	7	1	**9.052 091**
50	45	50	8	1	**9.052 092**

5

5 LLG-Porcelain lids for crucible, DIN 12904

Glazed. For Cat. No. 9.052 080 to 9.052 092.

Lid diam. mm	Crucible diam. mm	DIN	PK	Cat. No.
34	30	12904	1	**9.250 930**
39	35	12904	1	**9.250 931**
44	40	12904	1	**9.250 932**
49	45	12904	1	**9.250 933**
54	50	12904	1	**9.250 934**
64	60	12904	1	**9.250 935**
74	70	12904	1	**9.250 936**
84	80		1	**9.250 937**

1 Crucibles, porcelain, low form

To DIN 12904. Glazed. Without lid. *Haldenwanger*

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
8	30	19	1	**9.250 030**
11	35	22	1	**9.250 035**
20	40	25	1	**9.250 040**
25	45	28	1	**9.250 045**
40*	50	32	1	**9.250 050**
65	60	38	1	**9.250 060**
95	70	47	1	**9.250 070**

* Conradson crucible in accordance with ASTM D 189-65

2 Crucibles, porcelain, medium form

To DIN 12904. Glazed. Without lid. *Haldenwanger*

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
10*	30	25	1	**9.250 130**
13	35	28	1	**9.250 135**
20	40	32	1	**9.250 140**
38	45	36	1	**9.250 145**
49	50	40	1	**9.250 150**
90	60	50	1	**9.250 160**
150	70	60	1	**9.250 170**
230*	82	65	1	**9.250 180**

* Not to DIN.

3 Crucibles, porcelain, tall form

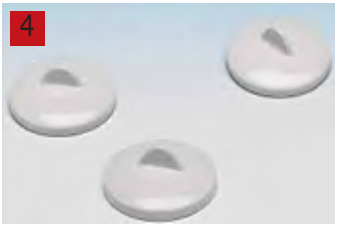
To DIN 12904. Glazed. Without lid. *Haldenwanger*

Capacity ml	Top diam. mm	Height mm	PK	Cat. No.
11	26	33	1	**9.250 225**
15	30	38	1	**9.250 230**
24	35	44	1	**9.250 235**
40	40	50	1	**9.250 240**
50	46	58	1	**9.250 245**
85	50	65	1	**9.250 250**
140	60	79	1	**9.250 260**

4 Lids for porcelain crucibles, DIN 12904

Haldenwanger

Lid diam. mm	Crucible diam. mm	PK	Cat. No.
28	20	1	**6.005 993**
32	26	1	**9.250 306**
35	30	1	**9.250 308**
43	40	1	**9.250 310**
46	46	1	**9.250 313**
52	52	1	**9.250 314**
60	63	1	**9.250 316**
75	70	1	**9.250 319**
87	82	1	**9.250 327**



5 Crucibles, Alsint, wide form

Conical. For use up to approx. 1700°C. *Haldenwanger*
Al_2O_3 content 99.7%.

Capacity ml	Top diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
10	30	14	24	1	**9.250 389**
25	41	18	37	1	**9.250 390**
40	48	20	41	1	**9.250 391**
60	54	24	50	1	**9.250 392**
80	60	26	50	1	**9.250 393**
100	66	30	56	1	**9.250 394**

1 Crucibles, Alsint, tall form

Conical. Max. 1700°C.
Al_2O_3 99.7%.

Haldenwanger

Capacity ml	Top diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
10	25	15	30	1	**9.250 399**
15	30	18	38	1	**9.250 400**
20	33	18	40	1	**9.250 401**
30	38	21	47	1	**9.250 402**
45	42	25	54	1	**9.250 403**
80	50	27	65	1	**9.250 404**
150	62	32	75	1	**9.250 405**
250	73	35	90	1	**9.250 406**
350	85	35	100	1	**9.250 407**

2 Lids for alsint crucibles

Haldenwanger

Lid diam. mm	Crucible diam. mm	PK	Cat. No.
25	28	1	**6.241 895**
30	32	1	**6.801 239**
35	35	1	**7.602 538**
40	43	1	**6.304 147**
45	46	1	**6.900 118**
50	52	1	**6.236 618**
63	60	1	**7.620 719**
70	68	1	**6.231 115**

3 Crucibles, quartz glass, medium form

Transparent silica (Quartz glass). Medium form.

proQuarz GmbH

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
20	40	32	1	**9.250 340**
49	50	40	1	**9.250 350**
90	60	48	1	**9.250 351**

4 LLG-Porcelain incinerating dishes

NEW!

Description	Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
deep form, without drain	21	40	20	1	**6.237 126**
deep form, with drain	64	60	30	1	**6.241 972**
deep form, without drain	64	60	30	1	**6.242 424**
low form, without drain	70	81	20	1	**7.654 046**
deep form, without drain	103	70	35	1	**7.654 045**

5 Incinerating dishes, porcelain, flat form

Without spout. Glazed except for base exterior.

Haldenwanger

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
8	37	10	1	**9.115 036**
10	42	11	1	**9.115 041**
15	47	12	1	**9.115 045**

6 Incenerating dishes, porcelain, cylindrical form

Deep. Without spout. Glazed, except for base exterior.

Haldenwanger

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
15	40	20	1	**9.115 140**
30	50	25	1	**9.115 150**
60	60	30	1	**9.115 160**

1 Incenerating dishes, porcelain, rectangular

With vertical side walls. Glazed, except for base exterior. *Haldenwanger*

Capacity ml	Length mm	Depth mm	Height mm	PK	Cat. No.
10	48	25	10	1	**9.115 245**
20	70	45	12	1	**9.115 265**
55	95	55	15	1	**9.115 295**

2 LLG-Porcelain incenerating boats, with eyelet

NEW!

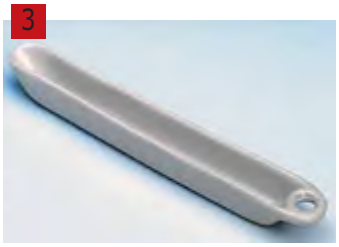
Unglazed.

Length mm	Width mm	Height mm	PK	Cat. No.
105	14	9	1	**9.250 941**
85	13	8	1	**9.250 942**
75	13	8	1	**9.250 940**
90	13	8	1	**6.243 229**
40	12	10	1	**9.250 943**

3 Incenerating boats, porcelain, with loop handle

Glazed porcelain. *Haldenwanger*

Length mm	Width mm	Height mm	PK	Cat. No.
85	13	8	1	**9.201 590**
102	13	10	1	**9.201 596**



4 Magnesia trays

Width mm	Length mm	PK	Cat. No.
9	100	100	**9.152 109**

5 Magnesia rods

For flame tests.

Type	PK	Cat. No.
Magnesia rods	100	**9.152 125**

6 Flame test glasses

Cobalt blue glass.

Width mm	Length mm	PK	Cat. No.
50	50	1	**9.140 205**
100	100	1	**9.140 210**

7 Combustion tube, hard porcelain

Unglazed, hard porcelain. *Haldenwanger*
For Carbon and Sulphur determinations.

Ext. diam. mm	Int. diam. mm	Length mm	PK	Cat. No.
22	17	600	1	**9.173 176**

1

1 Crucibles, nickel

99.6% nickel.
Wall thickness 1mm.
Please order lid separately.

Bochem

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
15	30	30	1	**9.250 630**
25	35	35	1	**9.250 635**
30	40	40	1	**9.250 640**
70	50	50	1	**9.250 650**

2

2 Lids for Crucibles, nickel

Bochem

For Crucibles	Ext. diam. mm	PK	Cat. No.
15 ml	30	1	**9.250 660**
25 ml	35	1	**9.250 665**
30 ml	40	1	**9.250 670**
70 ml	50	1	**9.250 680**

Note: Platinum Crucibles available on request.

3

3 Laboratory spoon, stainless steel 18/10

Stainless steel 18/10

Bochem

Length mm	Spoon L x W mm	PK	Cat. No.
135	45 x 31	1	**9.150 213**
180	55 x 38	1	**9.150 218**
195	60 x 45	1	**9.150 221**
280	85 x 70	1	**9.150 226**

4

4 Spoon, stainlees steel

Remanit® 4301. Polished. With one open spoon and one tapered flat end. Length 200mm.

RSG

Length mm	PK	Cat. No.
200	1	**9.150 050**

5

5 Pharmacist's spoon, stainless steel

Remanit® 4301. Polished. Slim form. Length 150mm.

RSG

Length mm	PK	Cat. No.
150	1	**9.150 060**

6 Reagent spoons, 18/10 steel

Dimensions spoon (W x L): 15mm x 25mm

Overall length mm	PK	Cat. No.
200	1	**4.008 513**

7

7 Reagent spoons, double-ended, 18/10 steel

18/10 steel. Double ended.

Bochem

Length mm	Spoon L x W mm	PK	Cat. No.
120	30x22 - 23x17	1	**9.150 012**
150	30x22 - 23x17	1	**9.150 015**
180	40x29 - 30x22	1	**9.150 018**
210	40x29 - 30x22	1	**9.150 021**
250	48x29 - 40x29	1	**9.150 025**
300	48x35 - 40x29	1	**9.150 030**

1 LLG Multi-purpose spoon, 18/10 steel

Length mm	For	Spoon L x W mm	Spatulas L x W mm	PK	Cat. No.
150	Right handed user	15 x 35	25 x 13	1	**9.150 800**
180	Right handed user	15 x 35	25 x 13	1	**9.150 801**
210	Right handed user	15 x 35	25 x 13	1	**9.150 802**
250	Right handed user	15 x 35	25 x 13	1	**9.150 073**
300	Right handed user	15 x 35	25 x 13	1	**9.150 074**
150	Left handed user	15 x 35	25 x 13	1	**9.150 080**
180	Left handed user	15 x 35	25 x 13	1	**9.150 081**
210	Left handed user	15 x 35	25 x 13	1	**9.150 082**

2 Spatulas, round grooved, 18/10 steel

Polished, round grooved. *Isolab*

Length mm	PK	Cat. No.
150	1	**4.008 448**
180	1	**4.008 449**
210	1	**4.008 450**

3 Powder spoon, 18/10-Stahl

18/10 steel. Narrow form. *Bochem*

Length mm	Spoon L x W mm	PK	Cat. No.
170	40 x 10	1	**9.150 620**

4 Ladles, 18/10-Stahl

18/10 steel. Bowl diameters as outlined below.

Bochem

Capacity ml	Length mm	Diam. mm	PK	Cat. No.
90	185	70	1	**9.150 665**
200	315	90	1	**9.150 685**
220	315	100	1	**9.150 700**
620	345	140	1	**9.150 703**

5 LLG- Spoon spatulas, 18/10 steel, deep form

18/10 steel. Deep form.

Length mm	Spoon L x W mm	Spatulas L x W mm	PK	Cat. No.
120	31 x 23	30 x 20	1	**4.008 445**
150	38 x 27	32 x 22	1	**9.150 810**
180	40 x 30	35 x 25	1	**9.150 811**
210	40 x 30	35 x 25	1	**9.150 812**
250	50 x 38	45 x 32	1	**4.008 446**
300	55 x 45	50 x 40	1	**4.008 447**

6 Micro spoon spatulas, 18/10 steel

Excellent grade polished stainless steel with one end having a flat spatula and the other end having a micro spoon.

Length mm	Spoon L x W mm	PK	Cat. No.
150	9 x 5	1	**9.150 820**
180	9 x 5	1	**4.008 451**

1

1 Micro powder spatula, stainless steel

Remanit® 4301. Polished. Very flexible. *RSG*

Width mm	Length mm	PK	Cat. No.
3	150	1	**6.239 195**
3	210	1	**9.220 205**
4	130	1	**9.220 206**
4	150	1	**9.220 207**
4	185	1	**9.220 208**
5	150	1	**6.231 957**
6	130	1	**9.220 201**
6	150	1	**9.220 202**
6	185	1	**9.220 203**
6	210	1	**9.220 204**
7	150	1	**6.226 081**

2

3

2 3 Micro Spatulas, double-ended, 18/10 steel

Spoon-shaped ends. *Bochem*

Type	Width mm	Length mm	PK	Cat. No.
A- Single-ended	5	130	1	**9.220 313**
A- Single-ended	5	185	1	**9.220 318**
A- Single-ended	5	210	1	**9.220 321**
B- Double-ended	5	130	1	**9.220 363**
B- Double-ended	5	185	1	**9.220 368**
B- Double-ended	5	210	1	**9.220 371**

4

4 Micro double-ended spatulas, 18/10 steel

Stainless steel with one end having a flat spatula and the other end having a flat spatula with rounded edges. *Bochem*

Length mm	Spatula width mm	PK	Cat. No.
100	3	1	**9.220 210**
130	3	1	**9.220 213**
150	5	1	**9.220 215**
185	5	1	**9.220 218**
210	5	1	**9.220 221**

5

6

5 6 Double ended spatulas, 18/10 steel

18/10 steel. Narrow form.

Length mm	Type	PK	Cat. No.
130	straight	1	**4.008 454**
150	straight	1	**4.008 455**
185	straight	1	**4.008 456**
210	straight	1	**4.008 457**
250	straight	1	**4.008 458**
300	straight	1	**4.008 459**
185	curved	1	**4.008 460**
250	curved	1	**4.008 461**

1 2 Double-ended spatulas, 18/10 steel

18/10 steel. With one end having a flat spatula and the other end having a flat spatula with rounded edges. *Bochem*

Length mm	Spatula width mm	Type	PK	Cat. No.
130	9	Straight	1	**9.220 013**
150	9	Straight	1	**9.220 015**
185	9	Straight	1	**9.220 018**
210	11	Straight	1	**9.220 021**
250	11	Straight	1	**9.220 025**
300	16	Straight	1	**9.220 030**
150	9	Bent	1	**9.220 115**
185	9	Bent	1	**9.220 118**
210	11	Bent	1	**9.220 121**
250	11	Bent	1	**9.220 125**

1

2

3 Double ended spatulas chattaway, 18/10 steel

Polished stainless steel with one end flat and the other with a bent flat end.

Length mm	Spatula width mm	PK	Cat. No.
100	9	1	**4.008 452**
130	9	1	**4.008 453**
150	9	1	**9.150 815**
180	9	1	**9.150 816**
210	9	1	**9.150 817**

3

4 Spatula with knob, 18/10 steel

Drop-forged 18/10 steel. With one flat end and one knob end. *Bochem*

Width mm	Length mm	Length Spattle area	PK	Cat. No.
9	150	60	1	**9.220 415**
11	210	70	1	**9.220 421**

4

5 Spatulas, nickel chromium steel/PTFE

Nickel chromium steel. Single or double-ended, as outlined below. With PTFE-coated ends.

Type	Length mm	PK	Cat. No.
Double-ended spatula	200	1	**9.220 940**
Spoon spatula	225	1	**9.220 945**

5

6 Sample spoon, PP

White PP. Length 180mm. Autoclavable at 121°C. *Bel-Art Products*

Length mm	Capacity ml	Width mm	PK	Cat. No.
180	1.23	20	1	**9.150 643**
180	2.46	25	1	**9.150 644**
180	4.93	30	1	**9.150 645**
180	14.79	39	1	**9.150 646**

6

7 Sampling spoon SteriPlast, PS

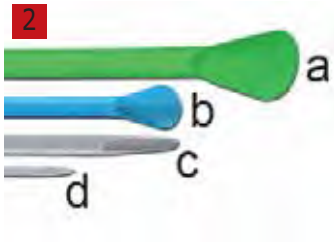
Sampling spoon ideal for powder, granules, pastes, liquids. Sterilised, single packed. *Bürkle*

Length mm	Capacity ml	PK	Cat. No.
125	2	100	**7.651 884**
150	8	100	**6.306 595**

7

1

2



1 2 Powder spatula smartSPATULAS®, PP

NEW!

Heathrow Scientific

Single use polypropylene lab tools made to increase productivity and reduce costly contamination errors. They offer an Always there and always clean' alternative to metal spatulas.
- Size related designs to fit perfectly with standard 0.5, 1.5/2.0, 15 and 50 mL tubes
- Ideal for dispensing or sample collection of powders or soft solids
- Shatter resistant in liquid nitrogen and resistant to dilute acids and bases and can be used with hot liquids
- Anti-static, sterile and Eco-friendly versions available
- Autoclavable and complies with FDA standards for food contact

Description	Colour	For tubes ml	Length mm	Diam. mm	Figure	PK	Cat. No.
Micro Antistatic	Natural	0.2	14	3.5	d	300	**6.256 896**
Eco	Natural	15/1.5/2.0	14	7.0	-	300	**6.256 894**
Standard	Blue	15/1.5/2.0	21	7.0	b	300	**6.256 893**
Standard	Natural	15/1.5/2.0	21	7.0	c	300	**6.256 895**
Standard sterile	Natural	15/1.5/2.0	21	7.0	-	100	**6.256 898**
Macro	Green	50	31	1.0	a	150	**6.256 897**

3

3 Spatulas, PS

BRAND

Impact resistant polystyrol. Available as double-ended flat spatula or one end flat and the other with spoon.

Type	Length mm	PK	Cat. No.
Double-ended	150	1	**9.220 850**
Double-ended	180	1	**9.220 851**
With spoon	180	1	**9.220 852**
With spoon	210	1	**9.220 853**

4

4 Spoon spatulas, porcelain

Haldenwanger

Glazed.

Length mm	Spoon L x W mm	Spatulas L x W mm	PK	Cat. No.
121	36 x 11	33 x 10	1	**9.220 812**
170	45 x 20	42 x 21	1	**9.220 816**
210	54 x 30	48 x 25	1	**9.220 820**
305	131 x 42	56 x 39	1	**9.220 830**

5

5 Spatula set, stainless steel, 7 pieces

RSG

Remanit® 4301.
7 pieces:
1 x pair of forceps, blunt, straight, 145mm
1 x micro spoon-spatula 150/5mm
1 x micro spoon-spatula 150/7mm
1 x double spatula 150/9mm
1 x powder spatula 150/9mm
1 x micro powder spatula 150/4mm
1 x micro double spatula 150/4mm

In synthetic leather bag with hook-and-loop fastener. Made in Germany.

Type	PK	Cat. No.
Spatula set	1	**7.630 153**

6

6 Chemist's small instrument set, 5 pieces

Hammacher

1 x micro-powder-spatula, flexible, 150mm long
1 x spatula, double-ended, flexible, 150mm long
1 pair of scissors, sharp/sharp, straight, 145mm
1 x spoon spatula, 150mm, 32 x 22 mm (blade L x W)
1 pair of thumb forceps, simple type, 130mm long

Type	PK	Cat. No.
HSO 125-00	1	**9.160 004**

1 Chemist's large instrument set, 9-piece

Large, 9-piece set, containing: *Hammacher*

Micro-spatula, double ended, flexible, 130mm long
Micro-spoon spatula, spoon 5 x 7 mm, 150mm long
Micro-powder spatula, double ended, flexible, 185mm long
Weighing scoop, 10 x 40mm W x L, 170mm long
Scissors, straight, serrated, 170mm long
Poly-spoon, 180mm long
Spatula, double ended, non-flexible, 185mm long
Spatula, wide type, both ends round, 150mm long
Forceps, sharp, simple type, 160 mm

Type	PK	Cat. No.
HSO 126-00	1	**9.160 010**

2 Spatula/section lifter, 18/10 steel

18/10 steel. With wooden handle. Short, flexible blade. *Bochem*

Length mm	Blade width mm	Blade length mm	PK	Cat. No.
150	10	50	1	**9.220 510**
150	15	50	1	**9.220 515**

3 Spatulas with wooden handle, stainless steel

Flexible, long blade as outlined below. *Bochem*

Length mm	Blade length mm	Blade width mm	PK	Cat. No.
165	75	14	1	**9.220 607**
190	100	18	1	**9.220 610**
230	130	20	1	**9.220 613**
250	150	22	1	**9.220 615**
275	165	27	1	**9.220 616**
310	200	32	1	**9.220 620**
365	250	38	1	**9.220 625**
415	300	42	1	**9.220 630**

4 Pharmacists spatula

Stainless steel 4310. With durofol handle. Flexible blade. *Gerd Schneider*

Length mm	Blade width mm	Blade length mm	PK	Cat. No.
165	14	75	1	**9.220 490**
190	18	100	1	**9.220 491**
230	20	130	1	**9.220 492**
250	22	150	1	**9.220 493**
310	32	200	1	**9.220 495**

5 Laboratory spatula, PC

Polycarbonate, crystal clear.

Width mm	Length mm	Weight g	PK	Cat. No.
20	145	18	1	**9.220 841**

6 Tongue depressors, wooden

Wooden.

Length mm	PK	Cat. No.
150	100	**9.165 101**

1

1 Cleaning scraper, PP/wood

Wooden handle, length: 25 cm, dimensions PP-area (L x W): approx. 9 x 5 cm.

Type	PK	Cat. No.
Cleaning scraper, PP/wood	1	**9.190 946**

2

2 Stirring rods, AR- clear soda glass

AR- clear soda glass. With flame-polished ends.

Length mm	Ext. diam. mm	PK	Cat. No.
200	3	10	**9.197 403**
150	4	10	**9.197 404**
200	4	10	**9.197 405**
150	5	10	**9.197 406**
200	5	10	**9.197 407**
150	6	10	**9.197 408**
200	6	10	**9.197 424**
250	6	10	**9.197 426**
300	7	10	**9.197 431**
300	8	10	**9.197 433**
300	9	10	**9.197 435**

3

3 Disposable stirrer, PS

PS. Stem diameter 3mm. *BRAND*
With one round end and one spatula-shaped end.

Length mm	PK	Cat. No.
120	500	**9.409 501**

4

4 Deflagrating spoon

Steel. Cup 18mm diameter, shaft 450mm. *Juchheim Laborgeräte*

Stem diam. mm	PK	Cat. No.
3	1	**9.150 530**

5

5 Scissors dissecting, stainless steel

Excellent grade polished stainless steel with fine sharps points and close shanks.
Available as 2 types:
- straight body form
- curved body form

Type	Length mm	PK	Cat. No.
straight body form	130	1	**6.236 264**
curved body form	130	1	**9.204 222**

6

6 LLG-Scissors general purpose, stainless steel

Excellent grade polished stainless steel with straight form and close shanks.
Available as 3 types:
- sharp/sharp points
- blunt/blunt points
- sharp/blunt points

Type	Length mm	PK	Cat. No.
sharp - sharp	130	1	**6.237 703**
sharp - sharp	160	1	**9.204 231**
blunt - sharp	130	1	**9.204 232**
blunt - sharp	160	1	**9.204 233**
blunt - blunt	130	1	**9.204 234**
blunt - blunt	160	1	**9.204 235**

1 Surgical scissors, stainless steel

Straight, closed shanks. Point/blunt.

Length mm	PK	Cat. No.
130	1	**9.204 220**

2 Surgical scissors, sharp points, stainless steel

Fine-polished finish.
Closed shanks with fine sharp points, curved or straight, as outlined below.

Type	Length mm	PK	Cat. No.
Straight	105	1	**9.204 206**
Curved	105	1	**9.204 207**

Universal scissors, stainless steel, polished

NEW!

All purpose scissors for use in the office and at home. Produced from stainless steel. Sharp blades for accurate cutting. Ergonomic designed handles made from ABS material feature soft-grip insert. Supplied on try-me card.
Colour: black/red
- stainless steel, polished
- special grinding for precise cuts
- ergonomic handles

Description	Length mm	PK	Cat. No.
Universal scissor	140	1	**9.160 651** 3
Universal scissor, acuate	160	1	**9.160 652** 4
Universal scissor	210	1	**9.160 653** 5
Universal scissor	255	1	**9.160 654** 6

3

9.160 651

4

9.160 652

5

9.160 653

6

9.160 654

7 Heavy Duty Scissor, stainless steel, black

NEW!

Stainless steel blades and large comfortable black ABS handles. Suitable for cutting tougher materials.
Features integral groove center for opening corks from bottles, nutcracker, bottle opener, etc. Supplied on try-me card.

Description	Length mm	PK	Cat. No.
Universal scissor	215	1	**9.160 655**

7

Scissors, stainless steel

Description	Length mm	PK	Cat. No.	
Utility scissors	130	1	**4.008 515**	1
Utility scissors	160	1	**4.008 516**	2
Utility scissors	200	1	**4.008 517**	3

1

4.008 515

2

4.008 516

3

4.008 517

4

4 Paper-cutting scissors, stainless steel

Bochem

Length mm	Length*	PK	Cat. No.
250	135	1	**9.204 325**

*blade length (mm)

5

9.160 656

6

9.160 658

7

9.160 657

8

9.160 659

Allround Cutter

NEW!

An easy and comfortable handling is ensured by the ergonomically shaped and rubberized grip zone. The break-off device is integrated into the grip section of the ABS plastic casing. Comes with a metal blade guide and auto-lock system. Both cutters will be delivered on blister cards including 2 spare cutting blades.

Werner Dorsch

Type	PK	Cat. No.	
Allround Cutter 18 mm	1	**9.160 656**	5
Allround Cutter 9 mm	1	**9.160 657**	7
Replacment blade for Allround Cutter 18mm	1	**9.160 658**	6
Replacment blade for Allround Cutter 9mm	1	**9.160 659**	8

9

9.156 027

10

9.156 030

Cutter M 9

Small, handy pocket sized model with plastic handle and clip. With retractable blade and slotted cover for breaking off the blades safely. 13 break-off blades per knife. Barrel colour black. Replacement blades available.

Type	PK	Cat. No.	
Cutter	1	**9.156 027**	9
Spare blade for M 9	10	**9.156 030**	10

11

9.156 018

12

9.156 020

Cutter ML 18

For heavy use, with patented safety lock for blade-lock with one hand. With retractable blade and slotted cover for breaking off the blades safely. 8 break-off blades per knife. Barrel colour white. Replacement blades available.

Type	PK	Cat. No.	
Cutter	1	**9.156 018**	11
Spare blade for ML 18	10	**9.156 020**	12

1 Apollo blades

High-quality Swedish alloy steel. Standard quality.

Type	PK	Cat. No.
Apollo	5	**9.156 110**

2 Multi-purpose knife

With 3 blades.

Type	PK	Cat. No.
Multi-purpose knife	1	**9.160 001**

3 LLG-Multi-purpose tool

Blue anodised housing with stainless steel screws. Specifications: Needlenose Pliers, Wire Cutters, Wire Stripper, Knife, Saw Knife, Saw, Screwdriver, Crosshead Screwdriver, Bottle/Can Opener, File. Supplied completely with Nylon Belt Pouch. Dimensions: 100 x 45 x 20mm

Type	Weight g	PK	Cat. No.
LLG-Multi-purpose tool	230	1	**9.160 000**

4 Leatherman® Wingman Multi-Tool, Stainless Steel

Tools: Spring-action Needlenose Pliers, Spring-action Regular Pliers, Spring-action Wire, Cutters, 420HC Combo Knife, Package Opener, Wood/Metal File, thomann Scissors, Small Screwdriver, Medium Screwdriver, Phillips Screwdriver, Ruler (1.5 in), Bottle Opener, Can Opener, Wire Stripper, Features: Removeable Pocket Clip.
Measurements: 6.6cm (Blade Length), 9.7cm (Closed)

Type	Weight g	PK	Cat. No.
Leatherman® Wingman Multi-Tool	198	1	**9.159 996**

5 Universal slicer

Stainless steel. Sturdy with plastic coated handle. Persistard metal handle (inside). *Bochem*

Length mm	Blade length mm	PK	Cat. No.
190	40	1	**9.204 332**

6 Ceramic knife

Stainless. Non-magnetic. Heavy duty ceramic, metal-free blade. Specially for preparing samples in trace element analysis. Dishwasher safe. Blade length 120mm.

Type	PK	Cat. No.
Knife	1	**9.160 680**

1 Glass markers, diamond-tipped

Writing diamond for writing on glass. Available as a pen with retractable tip or mounted on a wooden handle.

Type	PK	Cat. No.
With wooden grip	1	**9.032 920**
Pen type	1	**9.032 930**

2 Glass marker pen

Pen design with tungsten carbide nib. For writing on glass, porcelain and plastic. *Bel-Art Products*

Type	PK	Cat. No.
Glass marker pen	1	**9.032 932**

3 Electro-diamond pen

For writing on specimen slides and for marking, labelling or engraving metal or plastic. The motor automatically switches on once the hand is in the writing position and switches off once the pen is horizontal again. The writing nib rotates rapidly allowing effortless engraving. The nib can be exchanged easily without the need for tools. The engraving is deep so that it will last indefinitely. Weight approx. 100g, finger grip approx. 15mm. Includes nib type A for glass, 1.5mm diameter. Other nib types are available as accessories.

Type	PK	Cat. No.
Electro-diamond pen	1	**9.032 940**

4 Nibs, for electro-diamond pen.

For electro-diamond pen. Supplied singly.

Type	For	PK	Cat. No.
A	Glass, 1.5 mm dia.	5	**9.032 945**
B	Hardened metal, 2.5 mm dia.	5	**9.032 946**

5 Hammer

DIN 1041, steel-forged hammer head, double bracketed with ash handle.

Weight g	PK	Cat. No.
300	1	**9.306 127**

6 Double open-ended spanner set

Chrome vanadium steel. Complies with DIN 3110.
Drop-forged, chromium-plated. Comprises of 8 spanners, 6mm to 22mm.

Type	PK	Cat. No.
Double open-ended spanner set	1	**9.306 021**

7 Combination spanner set

Chrome vanadium steel. Complies with DIN 3113. Comprises of 8 spanners, 8mm, 9mm, 10mm, 11mm, 13mm, 14mm, 17mm and 19mm.

Type	PK	Cat. No.
Combination spanner set	1	**9.306 105**

1 Precision engineer's set

With 1/4" square drive, 36-piece set. Includes 4mm - 13mm sockets, screwdriver bits with square drive for slotted, Phillips, TORX (with frontal hole) and Allen sockets as well as 1.25mm - 1.5mm - 2.0mm - 2.5mm and 3mm angled Allen keys.

Type	PK	Cat. No.
PROXXON 23080	1	**9.306 121**

1

2 Automotive and universal tool set

12 piece ring/open end spanner set: 1 piece each in sizes 6mm to 15mm, 17mm and 19mm. Knipex 180mm combination pliers. Knipex 240mm water pump pliers. FLEX-DOT screwdriver set: 1 slotted screwdriver each in sizes 8.0 x 1.2mm - 5.5 x 1.0mm and 3.0 x 0.5mm. 1 Phillips screwdriver, size 2. Including two stubby screwdrivers: 1 size 2 Phillips screwdriver and 1 slotted screwdriver 5.5 x 1.0mm. Automotive light tester with cable and crocodile clip (for automotive electrical systems only).

Sockets, sizes 8mm - 10mm - 12mm - 13mm - 14mm - 15mm - 17mm - 19mm - 22mm and 24mm. Reversible ratchet. Universal joint. 1 each 125mm and 250mm extensions. Long T-handle with slide (for loosening wheel nuts). Special 16mm and 21mm spark plug sockets with ball head on longer side. Pocket Allen key set (8 piece set) from 1.5 - 8.0mm. PROXXON ball-peen hammer (300g), ground on all sides and partially polished. With inseparable graphite handle (fibre-glass reinforced, non-slip soft coating in grip area) for unparalleled vibration damping.

Type	PK	Cat. No.
PROXXON 23650	1	**9.306 125**

2

3 Screwdriver set

Hardened, chrome vanadium molybdenum steel. With impact-resistant, cadmium-free, plastic handles. Insulated in accordance with VDE 0680/2, 1000V, 7 screwdrivers.

4 VDE screwdriver:	2.5 x 80/3.5 x 100/4 x 100/5.5 x 125mm
2 VDE Phillips screwdriver:	PH1 x 80/PH2 x 100mm
1 Voltage detector	

Type	PK	Cat. No.
Wera 160i/7	1	**9.306 107**

3

4 Allen key set

8 piece, 2-10mm.
In shock-resistant plastic case with clear, sliding lid.

Type	PK	Cat. No.
Wiha 351	1	**6.206 421**

4

1

1 Electronics screwdriver set with rack

NEW!

6-piece screwdriver set consisting of: *Hülden*
4 flat screwdrivers: 2.5mm/3.0mm/3.5mm/4.0mm
2 PH screwdrivers: Size 0 and 1

Type	PK	Cat. No.
Electronics screwdriver set with rack	1	**9.210 143**

2

2 Side cutting pliers

Type 7001. DIN 5238 B. ISO 5749. For hard and soft wire. Inductively hardened precision cutting edges. Cutting hardness approx. 62 HRC. Plastic coated handles.

Length mm	PK	Cat. No.
180	1	**9.306 111**

3

3 Water pump pliers

Chrome vanadium steel. Form D. With locking groove and glide adjustment. Inductively hardened toothed grips. 6 position jaw opening.

Length mm	PK	Cat. No.
250	1	**9.306 115**

4

4 Combination pliers

Tool steel. Light design. DIN ISO 6746. For cutting hard and soft wire. Long cutting edges for thicker cable. Inductively hardened cutting edges. Cutting hardness 60 HRC. Plastic coated handle grips.

Length mm	PK	Cat. No.
180	1	**9.306 117**

5

5 Vernier calliper gauge, digital

Stainless steel, with 5 digit LCD display. Accuracy ±0.03mm, resolution 0.01mm. *Bochem*
Switchable between metric/imperial.

Type	Length mm	PK	Cat. No.
Digital	150	1	**9.204 610**

6

6 LLG-Torch

Sturdy torch with 12 energy saving LED lights for ultra-bright light. Made from metal with practical hand strap incl. 3 x 1.5V AAA batteries.

Dimensions (Dia. x L): 30 x 120mm

Type	PK	Cat. No.
LLG-Torch	1	**9.961 000**

1 TRIZETTE®

NEW!

Werner Dorsch

The extra bright LED light can be switched on when needed. The plastic lens has a size of approx. 3.2 cm and features a 4-fold magnification. Delivery with 3 button cell batteries (LR44). Size: approx. 14 x 4 x 2 cm, weight: 27 g

Description	PK	Cat. No.
TRIZETTE®	1	**9.160 660**

1

2 LLG-Forceps, 18/10 steel

Sprung flutes.

Length mm	Type	PK	Cat. No.
105	blunt-straight	1	**4.008 471**
115	blunt-straight	1	**4.008 472**
130	blunt-straight	1	**4.008 473**
145	blunt-straight	1	**6.255 826**
160	blunt-straight	1	**4.008 474**
200	blunt-straight	1	**4.008 475**
250	blunt-straight	1	**4.008 476**
300	blunt-straight	1	**4.008 477**
115	blunt-straight, with tooth	1	**4.008 478**
130	blunt-straight, with tooth	1	**4.008 479**
145	blunt-straight, with tooth	1	**4.008 480**
160	blunt-straight, with tooth	1	**4.008 481**

2

3 LLG-Dissecting forceps, stainless steel 420

Manufactured from premium grade polished stainless steel with fine sharp points and sprung flutes.
Available as 2 types:
- straight body form
- curved body form

Length mm	Type	PK	Cat. No.
105	sharp - straight	1	**4.008 482**
115	sharp - straight	1	**9.171 121**
130	sharp - straight	1	**9.171 122**
150	sharp - straight	1	**9.171 123**
160	sharp - straight	1	**4.008 483**
200	sharp - straight	1	**4.008 484**
105	sharp - curved	1	**4.008 485**
115	sharp - curved	1	**9.171 124**
130	sharp - curved	1	**6.236 683**

3

4 Tissue forceps, 18/10 steel

With tooth grips 1:2.

Length mm	PK	Cat. No.
115	1	**9.171 311**
130	1	**9.171 313**
145	1	**9.171 314**
160	1	**9.171 316**

4

1

1 Forceps, curved end, stainless steel

Remanit® 4301, with sharp ends, angled.

Length mm	PK	Cat. No.
105	1	**7.637 274**
115	1	**9.171 211**
130	1	**9.171 213**
145	1	**9.171 214**
160	1	**9.171 215**
200	1	**9.171 217**

2

9.160 130

3

9.160 135

Forceps, fine, 18/10 steel

Non-magnetic. Extra fine ends, without grooves.

Length mm	Type	PK	Cat. No.
105	Straight	1	**9.160 130** 2
105	Curved	1	**9.160 135** 3

4

4 Forceps, curved end, 18/10 steel

Stainless 18/10 steel. Curved ends with sharp tips.

Length mm	PK	Cat. No.
115	1	**9.171 221**
130	1	**9.171 223**
145	1	**9.171 224**
160	1	**9.171 225**

5

9.160 125

6

9.160 127

7

9.160 128

High Precision Forceps

NEW!

Swiss made. Stainless steel. Electro-polished surface. Precision made. Very fine tips as outlined below.

Ideal-tek S.A.

Type	Length mm	Width Tip mm	Thickness mm	PK	Cat. No.
Angled 45°	110	0.10	0.06	1	**9.160 125** 5
Angled 90°	110	0.10	0.06	1	**9.160 126**
Straight	110	0.10	0.06	1	**9.160 127** 6
Curved	115	0.17	0.10	1	**9.160 128** 7
Straight	135	0.10	0.06	1	**9.160 129**

8

9.160 187

9

9.160 188

Gerald micro forceps, stainless steel

Dressing foreceps, 175mm long

Length mm	Form	PK	Cat. No.
175	straight points	1	**9.160 187** 8
175	curved points	1	**9.160 188** 9

10

10 LLG-Cover glass forceps, self-locking, stainless steel

Stainless steel 4301

Length mm	Form	PK	Cat. No.
105	Straight	1	**9.160 380**
105	Curved	1	**9.160 381**

1 LLG-Cover glass forceps, type Kühne, stainless steel

Stainless steel 4301

Length mm	Form	PK	Cat. No.
115	Curved	1	**9.160 386**
130	Curved	1	**9.160 387**
145	Curved	1	**9.160 388**
115	Straight	1	**9.160 391**
130	Straight	1	**9.160 392**
145	Straight	1	**9.160 393**

Cover glass forceps, stainless 18/10 steel

With flattened ends, straight or curved as outlined below. Points 6mm wide.

Length mm	Form	PK	Cat. No.
105	straight	1	**9.160 205** 2
105	curved	1	**9.160 210** 3

9.160 205

9.160 210

Further forceps please see page 1071.

4 Forceps, PMP

White. Polymethylpentene (PMP). Elastic. With pointed ends. Comfortable to use. Self-sprung. Autoclavable (121°C).

Length mm	PK	Cat. No.
115	1	**9.171 411**
145	1	**9.171 414**

5 Forceps, POM

Polyoxymethylene(POM). Yellow. Glass-fibre reinforced POM. With blunt, rounded tips. Flexible. Non-conductive.

Length mm	PK	Cat. No.
115	1	**7.009 045**
145	1	**7.009 046**
180	1	**9.171 418**
250	1	**9.171 425**

6 LLG-Measuring scoops, PE-HD

NEW!

For heavy industrial use. Suitable for foodstuff.

Length mm	Capacity ml	PK	Cat. No.
25	250	1	**9.201 091**
30	500	1	**9.201 092**
35	1000	1	**6.240 471**
40	1500	1	**9.201 093**

1 Measuring scoops, PE-HD

Natural colouring. Conical in shape with tapered filling edge.
Food-safe product according to EC Directive No. 10/2011.

VITLAB

Capacity ml	Length mm	PK	Cat. No.
15	115	1	**7.008 959**
25	135	1	**7.008 960**
65	185	1	**7.008 961**
110	215	1	**7.008 962**
150	250	1	**9.201 025**
350	310	1	**9.201 030**
750	350	1	**9.201 035**
1250	400	1	**9.201 040**

2 Measuring scoops, PP

White measuring scoops which are also suitable as weighing scoops. With precision formed filling edge and comfortable, stable handle.
Easily readable volume quantities on the upper side of the handle.
Food-safe products according to EC Directive No. 10/2011.

VITLAB

Capacity ml	Length mm	PK	Cat. No.
2	60	1	**9.201 052**
5	82	1	**9.201 053**
10	100	1	**9.201 055**
25	135	1	**9.201 057**
50	160	1	**9.201 058**
100	200	1	**9.201 059**
250	260	1	**9.201 061**
500	315	1	**9.201 062**
1000	385	1	**9.201 065**

3 Scoops, Aluminium

Schröder

Length mm	PK	Cat. No.
135	1	**9.201 113**
185	1	**9.201 118**
210	1	**9.201 121**
250	1	**9.201 125**
265	1	**9.201 126**
310	1	**9.201 131**
350	1	**9.201 135**
400	1	**9.201 140**
430	1	**9.201 143**

4 Scoops, stainless steel

Remanit® 4301

RSG

Length mm	Diam. mm	Length*	PK	Cat. No.
190	50	100	1	**9.201 219**
250	75	150	1	**9.201 222**
310	105	200	1	**9.201 232**
350	120	240	1	**9.201 235**
365	150	250	1	**6.080 286**

* Length Scoop (mm)

Sampling products please see page 514

Sterile spoons please see page 518

E & OE.
www.wenk-labtec.com

1 Bunsen burner, portable Labogaz® 206

For operation with gas cartridge C 206 (Cat.-No.: 9.018 520). DVGW-authorised.

Weight: 380g without cartridge
Height: 200mm with cartridge
Consumption: 55g/h

Type	PK	Cat. No.
Labogaz® 206	1	**9.018 510**

1

2 Bunsen burner, portable, Labogaz® 470

For operation with gas cartridges CV 300 Plus (Cat.-No.: 6.243 905) or CV 470 Plus (Cat.-No.: 9.018 512).

Weight: 380g without cartridge
Height: 190mm with cartridge

Type	PK	Cat. No.
Labogaz® 470	1	**9.018 511**

2

3 Blowlamp Soudogaz® X 2000/X 2000 PZ

High performance multi-purpose blowlamp with a high quality brass burner. Metallic cartridge cover with plastic screw-on base for easy cartridge insertion. To use with cartridge C 206.

Weight: 380g without cartridge
Consumption: 120g/h
Flame temperature: approx. 1750°C

Type	PK	Cat. No.
Soudogaz® X 2000 without piezo ignition	1	**9.018 540**
Soudogaz® X 2000 PZ with piezo ignition	1	**9.018 539**

3

4 Blowlamp PT 2000

Sturdy brass body and burner with fine flame adjustment for soft and hard soldering. Polypropylene shock-resistant, ergonomic handle. To use with cartridge C 206.

Weight: 380g without cartridge
Consumption: 120g/h
Flame temperature: 1750°C

Type	PK	Cat. No.
Blowtorch PT 2000	1	**9.018 547**

4

Gas cartridges

C 206 pierceable cartridge
Without safety valve. For bunsen burners Labogaz® 206 and Soudogaz blow torches.
CV470 Plus and CV 300 Plus valve cartridge
With safety valve. For bunsen burner Labogaz® 470.
CV 360 valve cartridge
With safety valve. For gas-safety burner schuett phoenix (Cat.-No. 9.018 770).

Safety valve allows removal of partially used valve gas cartidges.

Type	Capacity g	Height mm	Description	PK	Cat. No.
C 206	190	90	Gas ratio 80/20 Butane/Propane	1	**9.018 520** 1
CV 300 Plus	240	105	Gas ratio 80/20 Butane/Propane	1	**6.243 905** 2
CV 470 Plus	450	140	Gas ratio 80/20 Butane/Propane	1	**9.018 512** 3
CV 360	52	140	Butane	1	**9.018 519** 4

1

9.018 520

2

6.243 905

3

9.018 512

4

9.018 519

Gas cartridge

220g/400ml. With safety valve. Provides approx. 3 hours use.

Type	PK	Cat. No.
Gas cartridge	1	**9.018 364**

5

5 Spirit burner

18/10 steel. With wick height adjuster and sealing cap. Capacity approx. 60ml.

Type	PK	Cat. No.
Spirit burner	1	**9.018 560**

6

9.018 549

Spirit lamp

Soda-lime glass. Flat conical form. With ground on cover. Without filling inlet, without wick or nozzle (please order separately). Capacity 100ml.

Type	PK	Cat. No.
Without filler inlet	1	**9.018 549** 6
Wick	1	**9.018 553**
Nozzle	1	**9.018 554**

7

7 Teclu burner

Nickel-plated brass and steel. DIN 30665. max. 1300°C, with needle valve, air regulator and pilot light. *Bochem*

Height mm	Rating kW	Type	PK	Cat. No.
180	1.53	Natural	1	**9.018 377**
180	2.36	Propane	1	**9.018 378**

E & OE.
www.wenk-labtec.com

1 Safety burner

Maximum temperature 1300°C, with needle valve, **thermo safety element** (bimetallic flame sensor with magnetic lock), air regulator and pilot light. Nickel-plated brass and steel. *Bochem*

Height mm	Rating kW	Type	PK	Cat. No.
180	1.53	Natural gas	1	**9.018 388**
180	2.36	Propane	1	**9.018 389**

1

2 Bunsen burner

With needle valve DIN 30665.
Air regulation, pilot flame, max. 1300°C. *Bochem*

Height mm	Rating kW	Type	PK	Cat. No.
160	1.53	Natural gas	1	**6.076 257**
160	2.36	Propane	1	**6.088 530**

2

3 Teclu burners

Teclu burner with stopcock and pilot flame DIN (NG-2411 BO0033) *Juchheim Laborgeräte*

Height mm	Weight g	Description	PK	Cat. No.
165	360	for natural gas	1	**9.018 311**
165	360	for propane gas	1	**9.018 312**

3

4 Teclu burners

Teclu safety burner with needle stopping valve and thermofeeler with safety valve on heavy plate shaped base. *Juchheim Laborgeräte*

Height mm	Weight g	Description	PK	Cat. No.
200	685	for natural gas	1	**6.056 812**
200	685	for propane gas	1	**6.072 042**

4

5 Rubber sucker base for Juchheim laboratory burner

Juchheim Laborgeräte

Description	PK	Cat. No.
Rubber sucker base for Juchheim laboratory burner	1	**9.018 315**

5

6 Bunsen burners

Bunsen burner with needle valve and pilot flame DIN (NG-2411 BO0031). *Juchheim Laborgeräte*

Height mm	Weight g	Description	PK	Cat. No.
150	300	for natural gas	1	**9.018 313**
150	300	for propane gas	1	**9.018 314**

6

Gas safety tubing please see page 137

1

1 Teclu burners

Teclu burner with needle valve DVGW-Nr. NG-2411BO0033. *Juchheim Laborgeräte*

Height mm	Weight g	Description	PK	Cat. No.
150	325	for propane gas	1	**6.236 456**
150	325	for natural gas	1	**9.018 310**

2

2 Bunsen burners

Bunsen burner with stopcock and pilot flame DIN (NG-2411 BO0032) *Juchheim Laborgeräte*

Height mm	Weight g	Description	PK	Cat. No.
155	315	for natural gas	1	**9.018 318**
155	315	for propane gas	1	**9.018 319**

3

3 Bunsen burners

Bunsen burner with needle valve DIN (NG-2411 BO0031). *Juchheim Laborgeräte*

Height mm	Weight g	Description	PK	Cat. No.
150	320	for natural gas	1	**9.018 316**
150	320	for propane gas	1	**9.018 317**

4

4 Bunsen burners with air regulator and needle valve

With air regulator and needle gas valve.

Height mm	Type	PK	Cat. No.
160	Universal burner	1	**9.018 294**
	Rubber sucker base	1	**9.018 360**

5

5 Multi gas burner Teclu

With stopcock.
Air regulation, max. 1300°C

Height mm	Rating kW	Type	PK	Cat. No.
160	0.5 - 3	Multi gas	1	**9.018 292**

6

6 Burner for cartridges

With needle gas valve and air regulator. Without cartridge.
Only for the gas cartridge 9.018 364.

Height mm	Type	PK	Cat. No.
136	Burner for cartridges, Teclu	1	**9.018 363**
136	Burner for cartridges, Bunsen	1	**9.018 370**

Safety Laboratory Gas Burners Fuego SCS series

NEW!

WLD-TEC

Suitable for all flame related applications in the laboratory. The low profile body facilitates ergonomic operation; the streamlined design reduces air flow disturbances in a clean room workbench. The Fuego SCS series can be operated with foot pedal, button function or touch free IR-Sensor. Made of stainless steel, with fireproof controls.

- SCS Safety Control System with gas safety cut off: Ignition and flame control, temperature monitor, automatic unit switch off, residual heat display, burner head assembly monitor.
- BHC Burner Head Control.
- Removable burner head.
- Tilt mechanism right/left.
- Turbo flame.
- Holding device for 3 inoculation loop holders.
- Nozzles for natural gas, propane/butane gas.
- Approved by DIN-DVGW, approval no. NG2211AS0167.
- Warranty: 2 years.

Fuego SCS basic/ Fuego SCS basic RF: With stainless steel foot pedal, button function, 3 standard programs (without IR-Sensor and graphic display). The foot pedal regulates the burning time either by continuous foot pressure or by start-stop function.

Fuego SCS basic RF: Features as Fuego SCS basic but enables wireless operation due to modern radio foot pedal.

Fuego SCS/Fuego SCS pro: with Double-Click IR-sensor, button function and foot pedal operation. (foot pedal optional). Double-Click IR-sensor: This adjustable safety function ensures that the burner can only be ignited by activating the IR-Sensor twice. Adjustable IR-sensor reaction distance: 5mm to 50mm.
Illuminated graphic display: The animated, self-explanatory and language-less symbol display facilitates a rapid selection of all functions. 6 standard-programs with count down display: 1sec to 2hrs selectable.
The first safety laboratory gas burner with comfort package: Cooling time reminder for inoculation loops, temperature regulation for heating media, gas consumption display for gas cartridges, flexible and individual by selecting user account, acoustic signals as operating aids.
Additional safety assistance: Zero-pressure shut off for a pressureless gas hose. Graphical installation instructions facilitate the initial start-up.

Fuego SCS pro: Features as Fuego SCS, plus battery operation (9hrs), 2 rechargeable batteries (Mignon AA), fast charge function (3hrs) and safety tilt sensor.

Additional accessories are available on request.

Specifications

Dimensions (WxDxH):	103 x 130 x 49mm
Power supply:	100-240V 50/60Hz
Weight:	700g

Type	PK	Cat. No.	
Fuego SCS basic	1	**6.232 207**	1
Fuego SCS basic RF	1	**6.255 678**	
Fuego SCS	1	**6.231 770**	2
Fuego SCS pro	1	**9.018 584**	
Stainless steel foot pedal	1	**9.018 585**	

1

6.232 207

2

6.231 770

1 schuett phoenix II Safety Bunsen Burner

schuett-biotec

For sterilising, heating, flame sterilising. Modern Bunsen burner with state-of-the-art safety features plus outstanding quality characteristics: Operating status, safety notes and warnings in written language for most international languages. Brilliant colour display. Unique Joy-Stick navigation. Operating modes: by hand or with foot pedal or motion sensor. Designed for use in microbiological safety cabinets and in the chemical laboratory.
Housing made of stainless steel and safety glass. UV- and solvent resistant. For case of cleaning and flame-sterilising. Suitable for use with natural gas (central gas) or butane/propane gas (gas cartridges).
"Push-and-Twist" bayonet fixture for burner head, no tools needed for cleaning. Integrated stand for tilting right or left. Flame timer adjustable from 1 seconds to 120mins. Safety standard acc. to DIN 30665 part 1, DIN-DVGW Reg.NG-2211AR0750.

3 models available:
schuett phoenix II eco
(with foot-switch) Start flame by foot-switch or button (On/Off). Best suited for use in microbiological safety cabinets. Best price to performance ratio.
schuett phoenix II standard
(brilliant colour display, selection of native language, sensor and foot- switch) Start/Stop flame by activating sensor 1x or 2x, use foot switch or press button by hand. Continuous display of timer.
schuett phoenix II accu
(brilliant colour display, selection of native language, sensor and built-in extra heavy duty power cells) Start/stop flame by activating sensor 1x or 2x, use foot-switch or press button by hand. Continuous display of timer and battery power. Operates for up to 30 hours, intermittent use.
Complete with battery charger for 3 hour recharging. Ideal for mobile usage.
Flame sterilization carousels semi- and fully automated
For precise and time-controlled flaming of different kinds of inoculating loops. Minimization of gas consumption, the life of the inoculating loops is significantly increased. The inoculating loop is placed into the carousel after use and is sterilized immediately after turning the holder in flaming position. Sterilization time infinitely adjustable. Designed for continuous work-flow with sample series in the Laminar Flow.
Semi-automated: schuett easyloop (for 6 Inoculating loop holders)
Comfortable manual rotation,fully automated flaming process. For use with Safety Bunsen Burners schuett phoenix II standard and accu.
Sterilization time: 3 to 5 s (adjustable from 1 s to 120 min)
Fully automated: schuett flammy R (for 5 Inoculating loop holders)
Fully automated rotation and inoculating. In combination with a standard gas-safety-burner (e.g. schuett phoenix II).
Sterilization time: 2 to 10 s

Type	Width mm	Depth mm	Height mm	Weight g	PK	Cat. No.
schuett phoenix II eco (Fig. b)	128	160	85	1000	1	**9.018 760**
schuett phoenix II standard (Fig. a)	128	160	85	1000	1	**9.018 761**
schuett phoenix II accu (Fig. a)	128	160	85	1000	1	**9.018 762**
schuett easyloop (Fig. g)	150	190	310	900	1	**9.018 798**
schuett flammy R	100	160	345	2000	1	**9.018 779**

Accessories for gas-safety burner schuett phoenix II

schuett-biotec

Type	PK	Cat. No.
Adapter for gas cartridges CV 360 incl. pressure reducer (Fig. f)	1	**7.930 139**
Adapter for gas cartridges C 206* (Fig. e)	1	**6.244 006**
Adapter for gas cartridges CV 270/300/470*	1	**6.240 475**
Adapter for gas cartridges CP 250*	1	**9.018 750**
Adapter for gas cartridges CG 1750*	1	**9.018 751**
Windshield, stainless steel (Fig. d)	1	**9.018 752**
Glass spatter guard (Fig. c)	1	**9.018 753**
Gas safety hose with threaded screw connections for propane/butane 0.5m	1	**9.018 754**
Gas safety hose with threaded screw connections for propane/butane 2.0m	1	**9.018 755**
Hot-Tray, stainless steel, height-optimized	1	**9.018 756**
Instrument tray	1	**9.018 758**
Foot-switch, stainless steel	1	**9.018 759**

* Incl. pressure regulator and 0.5m safety gas tubing.

1 Flame sterilizer schuett easyflame

Mobile and handy device for scarfing and flame-sterilising. *schuett-biotec*
With piezoelectric-ignition and gas supply control for producing a "soft" or a "sharp" flame. Infinite adjustment of the flame. Highest operational safety. In short-term use, the flame is activated as long as the push button is pressed. For continuous operation with lock key.

schuett easyflame to use with propane/butane gas, mobile, suitable with gas cartridges with 7/16" connection thread, e.g. CG 1750, Express 444, AT 2000.
Adapter for CV 360 gas cartridges optionally.

schuett easyflame^{plus} to use with natural gas, central gas supply in the lab available on request.

Specifications:

Dimensions (WxDxH):	260 x 90 x 60mm
Weight:	approx. 350g

Description	PK	Cat. No.
schuett easyflame	1	**9.018 794**
Holder for mobile sterilizer or cartridges	1	**6.240 421**

2 Infrared burner PowerCube IRB2

Laboratory heating device for the safe, rapid heating of large samples. Can be used anywhere, even where standard burners with an exposed flame cannot be used. *Bühler*

Advantages:
- Heats up quickly, constant heating
- No open flames, no soot, odourless
- Integral continuous electronic power adjustment between 0% and 100%.
- Casing safe to touch even when hot.
- Built-in casing handles for safe transport.
- Inert ceramic, long-life heating element.
- Built-in overheat monitor.
- Protection of electrical components against spilled liquids
- Additional side safety shield on burner element.
- Includes four-arm support for flat bottom containers. By using an accessory bracket the burner can be mounted on a tripod.

Accessories: bracketfor mounting the PowerCube into a tripod stand. With stainless steel rod approx. 13cm long.

Specifications:

Connector:	800W/230V
Dimensions (WxDxH):	150 x 150 x 170mm
Weight:	approx. 2.5kg
Max. temperature:	900°C
Heated area:	100 x 100mm

Type	PK	Cat. No.
PowerCube IRB 2. 800 W / 230 V	1	**9.018 699**

3 Accessories for Infrared burner PowerCube IRB2

Accessories: Tripod bracket for mounting the PowerCube into a tripod stand. With stainless steel rod approx. 13cm long. *Bühler*

Description	PK	Cat. No.
Tripod bracket	1	**9.018 698**

4 Hook clamp, for fixation of Support Material on PowerCube IRB2

Incl. screw connection. Material no. 4301.

Jaw opening mm	Angle	Thread	Description	PK	Cat. No.
13	90	M8	Nickel plated steel	1	**9.224 284**
13	90	M8	18/10 steel	1	**9.224 289**

1

1 Beaker tongs, with silicone-sleeved jaws

Withstand up to to +240°C. TÜV test mark. Arm length: 160mm.

Length mm	Jaw opening mm	PK	Cat. No.
300	50 to 100	1	**9.310 010**

2

2 Beaker tongs

Electro polished 18/10 steel wire frame with bowed strip-metal jaws and ceramic fibre jaw linings.

Length mm	Jaw opening mm	PK	Cat. No.
300	60 to 100	1	**9.310 016**

3

3 Beaker tongs, stainless steel

Beaker tong of 300mm length is made out of stainless steel. Insulated jaws are used to hold all types of beakers. *Isolab*

Length mm	For	Temp. range °C	PK	Cat. No.
300	beakers volume up to 1000ml	120	1	**6.237 287**

4

4 Flask tongs, stainless steel

Stainless steel flask tong - 300mm length with insulated jaws, used to hold all types of flasks. *Isolab*

Length mm	For	Temp. range °C	PK	Cat. No.
300	flasks volume up to 2000ml	120	1	**4.008 397**

5

5 Flask tongs

18/10 steel. Electro polished. Polyamide coated jaw clamps.

Length mm	Jaw opening mm	PK	Cat. No.
230	15 to 60	1	**9.310 025**

6

6 Crucible tongs, 18/10 steel

With bow and flutes.

Length mm	PK	Cat. No.
300	1	**4.008 441**

7

7 Crucible tongs

18/10 steel. With bow and gripping tips.

Length mm	PK	Cat. No.
160	1	**9.310 116**
200	1	**9.310 120**
220	1	**9.310 122**
250	1	**9.310 125**
300	1	**9.310 130**
400	1	**9.310 140**
500	1	**9.310 150**
600	1	**9.310 160**

8

8 Crucible tongs, PTFE-coated

18/10 steel. With bow, and 75mm long PTFE-coated tips.

Length mm	PK	Cat. No.
200	1	**9.310 285**
250	1	**9.310 290**

1 Bassin tongs, 18/10 steel

Length mm	PK	Cat. No.
300	1	**4.008 440**

2 Tripod stand

Zinc-plated steel. With circular top and flared legs.

Diam. mm	Height mm	PK	Cat. No.
100	180	1	**9.034 110**
120	210	1	**9.034 112**
120	250	1	**6.200 910**
140	220	1	**9.034 114**
160	230	1	**6.059 957**

3 Tripod stand

Chrome plated steel. Tripods are meant to be used in conjunction with wire gauze, triangles or a sand bath. *Isolab*

Diam. mm	Description	PK	Cat. No.
125	total height 200mm	1	**6.242 704**
125	adjustable height min 200mm/ max 250mm	1	**4.008 512**

Square Quadrupod

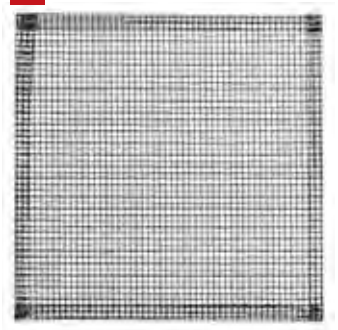
Nickel chromium steel. For glass ceramic laboratory plates. Dimensions as outlined below. *DURAN Group*

9.034 557

Width mm	Length mm	Height mm	PK	Cat. No.
135	135	220	1	**9.034 553**
155	155	220	1	**9.034 557** 4
175	175	220	1	**9.034 558**

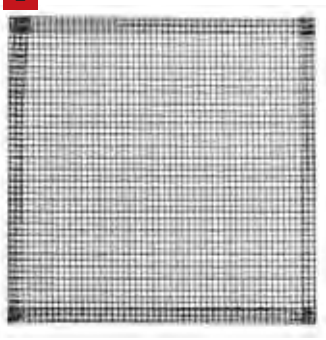
5 Wire gauzes

Plain, stainless steel wire with flanged edges. Mesh: 0.6mm x 2.0mm. Sizes as outlined below. *RSG*



Width mm	Length mm	PK	Cat. No.
115	115	1	**9.150 717**
135	135	1	**9.150 718**
155	155	1	**9.150 719**
175	175	1	**9.150 720**
195	195	1	**9.150 721**

1



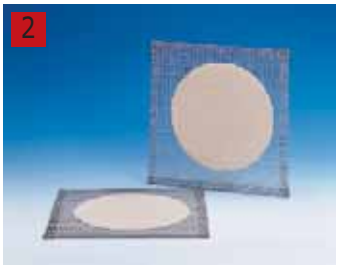
1 Wire gauzes

NEW!

Plain, stainless steel wire with heat resistant center, mesh: 0.6mm x 2.0mm *RSG*

Width mm	Length mm	PK	Cat. No.
135	135	1	**9.033 653**
155	155	1	**9.033 655**
175	175	1	**9.033 657**
195	195	1	**9.033 659**

2

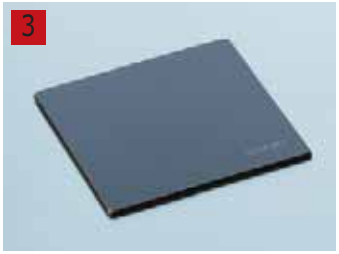


2 Wire gauzes

Steel wire with round ceramic centre. Sizes as outlined below.

Width mm	Length mm	PK	Cat. No.
120	120	1	**9.033 632**
160	160	1	**9.033 636**
200	200	1	**9.033 640**

3



3 Glass ceramic laboratory protection plate

Glass ceramic material with a smooth, pore-free surface. Chemically resistant and operates between -200°C and +700°C. Ideal for use as a bench protector or heating surface in place of a wire gauze or pipeclay triangle. *DURAN Group*

Width mm	Length mm	PK	Cat. No.
135	135	1	**9.034 253**
155	155	1	**9.034 257**
175	175	1	**9.034 258**

4

4 Triangle

Zinc-plated steel wire with pipeclay tubes. *Juchheim Laborgeräte*

Pipeclay tube Length mm	Weight g	PK	Cat. No.
40	16	1	**9.033 740**
50	33	1	**9.033 741**
60	38	1	**6.250 142**
100	58	1	**6.085 914**

5

5 Gas lighter

For all types of gas. Bow-shaped. With flint.

Type	PK	Cat. No.
Gas lighter	1	**9.018 801**
Flints	1	**9.018 805**

6

6 Piezoelectric gas lighter, Clipper

Piezoelectric.

Type	PK	Cat. No.
Piezoelectric gas lighter, Clipper	1	**9.018 820**

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1 Gas safety tubing

Flexible connecting line of a rubber tubing with a contracted metal spiral and double-sided end sockets according to DVGW 5501(P). Kink resistant. For connecting between safety gas connection fitting according to DIN 3383-4 and gas burners for laboratories according to DIN 30665 section 1.
For all gases according to DVGW worksheet G 260, at pressures up to 100 mbar and temperatures up to 70°C. Installations according to DVGW-TRGI 2008 and DVGW worksheet G 621. DVGW Reg.-No. DG-4607AU2366. Sold only in specified lenght

Deutsch & Neumann

Length mm	PK	Cat. No.
500	1	**9.018 935**
600	1	**9.018 936**
750	1	**9.018 937**
1000	1	**9.018 940**
1250	1	**9.018 942**
1500	1	**9.018 945**
2000	1	**9.018 950**
3000	1	**9.018 960**

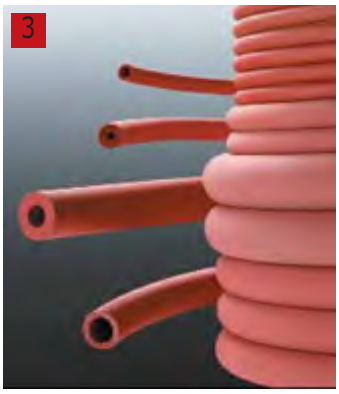
2 Tubing for gas burners

According to DIN 30664 section 1. Without reinforcement and jacket. Connecting line for connecting between safety gas connection fitting according to DIN 3383-4 and gas burners for laboratories according to DIN 30665 section 1.
For all gases according to DVGW worksheet G 260, at pressures up to 100 mbar and temperatures up to 70°C. Installations according to DVGW-TRGI 2008 and DVGW worksheet G 621. DVGW Reg.-No. NG-4607AU2366. Supplied per metre.

Deutsch & Neumann

Int. diam. mm	Wall thickness mm	PK	Cat. No.
10	2.00	1	**9.018 970**

3 Tubing

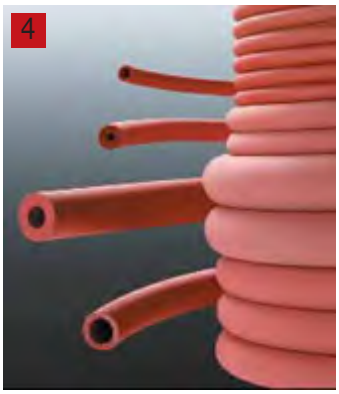


Red. Rubber (NR). Durometer 45 Shore A. Supplied per metre or in standard coils of 25m.

Deutsch & Neumann

Int. diam. mm	Wall thickness mm	PK	Cat. No.
2	1.00	1	**9.205 157**
3	1.00	1	**9.205 158**
3	1.50	1	**9.205 159**
4	1.00	1	**9.205 160**
4	1.50	1	**9.205 166**
5	1.50	1	**9.205 170**
5	2.00	1	**9.205 171**
6	1.50	1	**9.205 173**
6	2.00	1	**9.205 174**
7	1.50	1	**9.205 179**
7	2.00	1	**9.205 180**
8	2.00	1	**9.205 184**
9	2.00	1	**9.205 187**
10	2.00	1	**9.205 192**
12	2.50	1	**9.205 195**
18	3.00	1	**9.205 200**

4 Vacuum tubing, rubber



Red. Rubber (NR). Durometer 45 Shore A. Supplied per metre or standard coils of 25m.

Deutsch & Neumann

Int. diam. mm	Wall thickness mm	PK	Cat. No.
4	4.00	1	**9.205 804**
5	5.00	1	**9.205 805**
6	5.00	1	**9.205 806**
7	5.00	1	**9.205 807**
8	5.00	1	**9.205 808**
10	5.00	1	**9.205 809**

1 Viton Tubing

Supplied per metre. *Deutsch & Neumann*

- Fluoroelastomer Rubber (FPM), black
- Temperature range -10°C to over +200°C
- Good resistance to ozone and weathering, as well as benzine and mineral oil
- Durometer 75 Shore A

Int. diam. mm	Wall thickness mm	PK	Cat. No.
2	1.0	1	**9.205 745**
3	1.0	1	**9.205 758**
4	1.0	1	**9.205 765**
5	1.0	1	**9.205 769**
6	1.0	1	**9.205 772**
6	2.0	1	**9.205 774**
8	1.5	1	**9.205 782**
8	2.0	1	**9.205 784**
9	2.0	1	**9.205 787**
10	2.0	1	**9.205 792**

2 Tubing, silicone, Rausil FG

Suitable for food use, according to BfR (BgVV) and FDA§177.2600.
Supplied per metre or in standard coils of 50M. Durometer 60 Shore A.

Int. diam. mm	Wall thickness mm	PK	Cat. No.
1.00	1.0	1	**9.205 222**
1.50	1.0	1	**9.205 233**
2.00	1.0	1	**9.205 245**
2.00	2.0	1	**9.205 246**
3.00	1.0	1	**9.205 258**
3.00	1.5	1	**9.205 259**
3.00	2.0	1	**9.205 260**
4.00	1.0	1	**9.205 265**
4.00	1.5	1	**9.205 266**
5.00	1.0	1	**9.205 269**
5.00	1.5	1	**9.205 270**
6.00	1.5	1	**9.205 273**
6.00	2.0	1	**9.205 274**
7.00	1.5	1	**9.205 279**
7.00	2.0	1	**9.205 280**
8.00	1.5	1	**9.205 282**
8.00	2.0	1	**9.205 284**
9.00	2.0	1	**9.205 287**
10.00	2.0	1	**9.205 292**
12.00	2.0	1	**9.205 294**

3 Versilic silicone tubing

Pure silicone with high-grade properties. To Ph.Eur, DAB 10 and USP XXIII Class VI (biological tests). Suitable for food use to FDA, BGA and EU guidelines. Temperature range from -60 to +200°C (up to +220°C for short periods). Transparent to translucent. Shore strength 62 ±5. Density 1.16. Biologically neutral. Suitable in particular for use in biotechnology, fermentation or pharmaceutical production. Good physical properties such as suppleness, elasticity, flexibility, resistant to bending and tearing. Good recovery characteristics, with high fatigue resistance when twisted. Elongation at tear >300%.
Supplied per metre or in standard coils of 25m.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.50	2.5	1.0	1	**9.205 300**
1.00	3.0	1.0	1	**9.205 301**
2.00	4.0	1.0	1	**9.205 302**
3.00	5.0	1.0	1	**9.205 303**
4.00	6.0	1.0	1	**9.205 304**
5.00	7.0	1.0	1	**9.205 305**
6.00	10.0	2.0	1	**9.205 275**
7.00	11.0	2.0	1	**9.205 306**
8.00	12.0	2.0	1	**9.205 285**
9.00	13.0	2.0	1	**9.205 307**
10.00	14.0	2.0	1	**9.205 308**
12.00	17.0	2.5	1	**9.205 309**

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www.wenk-labtec.com

1 Fabric-reinforced PVC tubing

Transparent. Supplied per metre or in standard coils of 50M. PVC with terylene mesh reinforcement. Certificated by German TÜV with due regard to regulatory of DIN EN ISO 5774:2008. Proofed by BGVO directive 2002/72/EC bis 2008/39/EC for food contact. Durometer 77 Shore A.

Int. diam. mm	Thickness mm	PK	Cat. No.
6.00	3	1	**9.205 816**
8.00	3	1	**9.205 818**
10.00	3	1	**9.205 820**
12.50	3	1	**9.205 823**

2 PVC-Tubing

Approved by BGVO directive 2002/72/EC and 2008/39/EC for food contact. Approved by KTW-C directive - Germany Federal Environment Agency for use in cold water. *Kunststoffe Guttasyn*
Durometer 77 Shore A.
Price per metre.

Int. diam. mm	Thickness mm	PK	Cat. No.
2.00	1.00	1	**9.205 345**
3.00	1.00	1	**9.205 358**
3.00	1.50	1	**9.205 359**
4.00	1.00	1	**9.205 365**
4.00	1.50	1	**9.205 366**
5.00	1.00	1	**9.205 369**
5.00	1.50	1	**9.205 370**
6.00	1.00	1	**9.205 372**
6.00	1.50	1	**9.205 373**
6.00	2.00	1	**9.205 374**
7.00	1.50	1	**9.205 379**
7.00	2.00	1	**9.205 380**
8.00	1.50	1	**9.205 382**
8.00	2.00	1	**9.205 384**
9.00	1.50	1	**9.205 386**
9.00	2.00	1	**9.205 387**
10.00	2.00	1	**9.205 392**
12.00	2.00	1	**9.205 394**
15.00	2.00	1	**9.205 397**
18.00	2.00	1	**9.205 398**

3 Laboratory tubing Isoflex

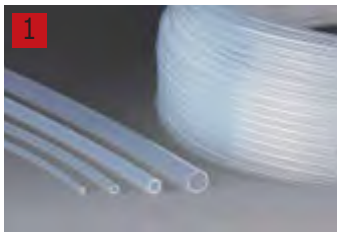
Autoclavable PVC tubing, transparent and non-toxic, non ageing and non oxidising. Packed in PE bags. The tubing is marked every metre. Good resistance against strong acids and akalis, fair resistance against organic solvents.
Durometer 77 Shore A.
Supplied in 20M coil.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1	2.4	0.8	20	**9.205 142**
2	4.0	1.0	20	**9.205 143**
4	6.0	1.0	20	**9.205 144**
5	8.0	1.5	20	**9.205 145**
6	9.0	1.5	20	**9.205 146**
7	11.0	2.0	20	**9.205 147**
8	12.0	2.0	20	**9.205 148**
10	14.0	2.0	20	**9.205 149**
12	17.0	2.5	20	**9.205 150**

4 PE-Tubing

Durometer 45 Shore D. Price per meter.

Int. diam. mm	Wall thickness mm	PK	Cat. No.
2.00	0.40	1	**6.079 602**
2.00	1.00	1	**6.070 172**
8.00	1.00	1	**9.205 482**
8.00	1.50	1	**6.900 070**
9.00	2.00	1	**6.070 228**
10.00	2.00	1	**9.205 492**



1 Tubing, PFA

PFA fluorocarbon resin. Highly chemical resistant and temperature resistant up to +260°C. Supplied per metre. *BOLA*

Int. diam. mm	Ext. diam. mm	PK	Cat. No.
0.80	1.60	1	**9.205 824**
1.58	3.18	1	**9.205 825**
2.00	4.00	1	**9.205 827**
3.60	6.00	1	**9.205 826**
3.96	6.35	1	**9.205 829**
4.00	6.00	1	**9.205 830**
4.35	6.35	1	**9.205 831**
6.00	8.00	1	**9.205 833**
6.35	9.52	1	**9.205 834**
6.80	10.00	1	**9.205 835**
8.00	10.00	1	**9.205 836**
10.00	12.00	1	**9.205 839**

2 Flex tubing, PFA

Corrugated tubing with circular corrugations around the longitudinal axis and cylindrical tubing ends with a length of 40mm which can for example be connected directly to fittings, stopcocks or hose connectors. Together with BOLA Laboratory Screw Joints, the connection is tight and suitable for vacuum. *BOLA*

- highly flexible
- tight bending radius only causes little cross-section reduction
- non-porous
- translucent
- ideal for connections under vibrations
- usable with a small bending radius
- for compensation of thermal expansions
- for easy handling of liquids

Size NW	Int. diam. mm	Ext. diam. mm	Length m	PK	Cat. No.
8.0	6.00	8.0	0.50	1	**9.205 711**
10.0	8.00	10.0	0.50	1	**9.205 712**
13.0	10.00	12.0	0.50	1	**9.205 713**
14.0	12.00	14.0	0.50	1	**9.205 714**
8.0	6.00	8.0	1.00	1	**9.205 731**
10.0	8.00	10.0	1.00	1	**9.205 732**
13.0	10.00	12.0	1.00	1	**9.205 733**
14.0	12.00	14.0	1.00	1	**9.205 734**
16.0	14.00	16.0	1.00	1	**9.205 735**
10.0	8.00	10.0	2.50	1	**6.237 188**
13.0	10.00	12.0	2.50	1	**9.205 740**
10.0	8.00	10.0	0.25	1	**9.205 741**

Special lengths available on request

3 PTFE-Tubing

Highly chemical resistant and withstands temperatures from -200°C to +260°C. Supplied per metre. *BOLA*

Int. diam. mm	Ext. diam. mm	PK	Cat. No.
0.50	1.0	1	**9.205 608**
0.50	1.6	1	**9.205 609**
0.80	1.6	1	**9.205 616**
1.00	1.6	1	**9.205 619**
1.00	2.0	1	**9.205 621**
1.00	3.0	1	**6.070 190**
1.50	2.1	1	**9.205 630**
1.50	3.5	1	**9.205 633**
1.60	3.2	1	**9.205 634**
2.00	3.0	1	**9.205 644**
2.00	4.0	1	**9.205 645**
3.00	4.0	1	**9.205 657**
3.00	5.0	1	**9.205 658**
4.00	5.0	1	**9.205 663**
4.00	6.0	1	**9.205 665**
5.00	6.0	1	**9.205 668**
6.00	8.0	1	**9.205 672**
7.00	9.0	1	**9.205 678**
8.00	10.0	1	**9.205 680**
8.00	10.0	1	**7.210 036**
10.00	12.0	1	**9.205 691**

E & OE.
www.wenk-labtec.com

1 Iso-Versinic Tubing

Synthetic fluoroelastomer.
Chemically resistant to hydrocarbons (aromatic and aliphatic), oils, strong acids, oxidizing agents and chlorous solvents. Excellent resistance to abrasion and flexing. Good ozone and radiation protection. Impermeable to gas and steam. Shore A, hardness see table below. Density 1.9. Temperature range -20°C to +200°C (up to +300°C for short periods). Elongation at tear >250%. Suitable for transporting corrosive liquids.
Supplied per metre.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	Shore	PK	Cat. No.
1	3	1.0	67	1	**9.205 700**
2	4	1.0	67	1	**9.205 701**
3	5	1.0	67	1	**9.205 702**
4	6	1.0	67	1	**9.205 703**
5	8	1.5	72	1	**9.205 704**
6	9	1.5	72	1	**9.205 705**
7	10	1.5	72	1	**9.205 706**
8	12	2.0	72	1	**9.205 707**
10	14	2.0	72	1	**9.205 708**
12	17	2.5	72	1	**9.205 709**

2 Norprene® tubing A 60 G

Black, Thermoplastic elastomer, Shore A 61. Temperature range -60 to +135°C. Suitable for use as tubing for peristaltic pumps. Very high endurance. Resistant to many aggressive chemicals. Heat and ozone resistant (does not turn brittle). Fills the performance gap between single elastomers (such as EPDM, chloroprene) and expensive polymers (viton, silicone).
Supplied per metre or in standard coils of 15m.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1.60	4.8	1.6	1	**9.206 941**
3.20	6.4	1.6	1	**9.206 944**
4.80	8.0	1.6	1	**9.206 951**
6.40	9.6	1.6	1	**9.206 956**
6.40	11.2	2.4	1	**9.206 957**
8.00	11.2	1.6	1	**9.206 961**
8.00	12.8	2.4	1	**9.206 962**
9.50	12.7	1.6	1	**9.206 967**
9.60	14.4	2.4	1	**9.206 968**
11.10	14.3	1.6	1	**9.206 973**
12.70	15.9	1.6	1	**9.206 976**
12.70	17.5	2.4	1	**9.206 977**

3 Tygon® tubing 3350

Silicone-platinum sanitary tubing, Shore A 50.
Temperature range -81 to +200°C. Very high-grade silicone tube with smooth inner surface. Ozone and UV resistant. High flexibility with good recovery characteristics. To FDA and USP Class VI, in accordance with ISO 10993.
Supplied in 15m coil.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
3.20	6.4	1.6	15	**9.208 380**
4.80	8.0	1.6	15	**9.208 381**
6.40	9.6	1.6	15	**9.208 382**
6.40	11.1	2.4	15	**9.208 383**
8.00	12.7	2.4	15	**9.208 384**
9.50	12.7	1.6	15	**9.208 385**
12.70	15.9	1.6	15	**9.208 386**
12.70	17.5	2.4	15	**9.208 387**

4 Tygon® tubing ELFL

Transparent, flexible, Shore A 56.
Temperature range -54 to +74°C. Tygon tubing with the longest "Flex-Life" (lifespan) when used in peristatic pumps. To FDA/USP Class VI. Suitable for food, drinks or pharmaceutical applications. Resists ageing and non-toxic. Resistant to many chemicals.
Supplied in 7.5m coil.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1.60	4.8	6.0	7	**9.208 439**
3.20	6.4	6.0	7	**9.208 440**
4.80	8.0	6.0	7	**9.208 441**
6.40	9.6	6.0	7	**9.208 442**
8.00	11.2	6.0	7	**9.208 443**
9.50	15.9	3.2	7	**9.208 444**
12.70	19.1	3.2	7	**9.208 445**

1

1 Peristaltic pump tubing, Tygon R 3607

With 2 colour-coded bridges (international standards). ID 0.13 to 0.64 wall thickness: 0.9mm, ID 0.76 to 3.18 wall thickness: 0.85mm.
Shore: 55. Fits most common peristaltic pump models, e.g. Verder, Ismatec, Watson-Marlow, IKA and Heidolph. Standard tubing, transparent. Length 380mm. Long working lifespan. Good resistance to acids and alkalis. Suitable for general use and with food.

Int. diam. mm	Colour	PK	Cat. No.
0.13	orange-black	12	**9.208 201**
0.19	orange-red	12	**9.208 202**
0.25	orange-blue	12	**9.208 203**
0.38	oragne-green	12	**9.208 204**
0.51	orange-yellow	12	**9.208 205**
0.64	orange-white	12	**9.208 206**
0.76	black-black	12	**9.208 207**
0.89	orange-orange	12	**9.208 208**
1.02	white-white	12	**9.208 209**
1.14	red-red	12	**9.208 210**
1.30	grey-grey	12	**9.208 211**
1.42	yellow-yellow	12	**9.208 212**
1.52	yellow-blue	12	**9.208 219**
1.65	blue-blue	12	**9.208 213**
1.85	green-green	12	**9.208 214**
2.06	purple-purple	12	**9.208 215**
2.29	purple-black	12	**9.208 216**
2.54	purple-orange	12	**9.208 217**
2.79	purple-white	12	**9.208 218**
3.18	black-white	12	**9.208 222**

2

2 Flow indicators LaboPlast®

Bürkle

Gives a visual indication of liquid or gas flow in tubing. Operates in both directions and at any angle. Can accomodate flow rates down to approx. 150ml/min. Length incl. nozzle 88mm. For tubing from 6mm to 11mm diameter. Maximum pressure: 2 bar. Food Safe.
Choice of models:
- LiquiMobil made of SAN up to 30°C working temperature.
- CheMobil made of PMP up to 60°C working temperature, autoclavable good, chemically resistance.

Type	Colour	PK	Cat. No.
LiquiMobil/SAN	blue	1	**9.003 910**
LiquiMobil/SAN	red	1	**9.003 911**
LiquiMobil/SAN	black	1	**9.003 912**
CheMobil/ PMP	blue	1	**9.003 913**
CheMobil/ PMP	red	1	**9.003 901**
CheMobil/PMP	black	1	**9.003 914**

3

3 Tubing cutter

Bel-Art Products

Suitable for cutting tubing with external Ø from 1.6mm to 19mm. Length 76mm.

Type	PK	Cat. No.
Tubing cutter	1	**9.205 898**
Replacement blade	1	**9.205 899**

4

4 Rod and tubing cutter

Buddeberg

Suitable for all rubber tubing, even PTFE and fabric-reinforced tubing. Interchangeable blade.

Type	PK	Cat. No.
Cutter	1	**9.306 000**
Replacement blades	10	**9.306 001**

1 Glass tubing cutters

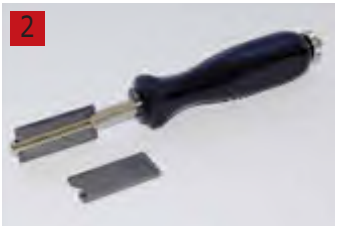
For glass tubing up to 30mm Ø. With interchangeable hard metal wheel.

Type	PK	Cat. No.
Glass tubing cutter	1	**9.110 510**
Replacement roller	1	**9.110 511**

2 Glass cutting knife

With interchangeable blades made of metal.

Type	PK	Cat. No.
Glass cutting knife	1	**9.110 500**
Replacement blade	1	**9.110 501**



3 Laboratory threaded joints - GL 14/18/25

BOLA

Enables GL threads to clamp easily to fluoroplastic or thick-walled tubing made out of other plastics, glass or metal. (Ideally suited for connection with Bola GL fittings, Bola pressure valves, Bola GL taps and Bola GL ball valves).
The laboratory threaded joints consist of a red screw cap made of glass-fibre reinforced ETFE, a sealing disc and a tapered sealing ring made of PTFE, as well as a V-ring made of glass-fibre reinforced ETFE. This patented system withstands pressures up to approx. 10 bar, is suitable for a vacuum (at room temperature in the case of sizes 14 to GL25) and is easy to assemble without tools. The substance that passes through only comes in contact with PTFE.

Bola laboratory threaded joints can, for example, be used to hold probes (including stainless steel probes), sensors, laboratory taps, submerged tubes, thermometers or as a cable feed.

For external tube diam. mm	Neck thread GL	PK	Cat. No.
1.0	14	1	**9.209 802**
1.6	14	1	**9.209 803**
3.0	14	1	**9.209 806**
3.2	14	1	**9.209 807**
4.0	14	1	**9.209 808**
6.0	14	1	**9.209 809**
6.35	14	1	**9.209 810**
3.0	18	1	**9.209 816**
3.2	18	1	**9.209 817**
4.0	18	1	**9.209 818**
6.0	18	1	**9.209 819**
8.0	18	1	**9.209 820**
10.0	18	1	**9.209 821**
6.0	25	1	**9.209 839**
8.0	25	1	**9.209 840**
10.0	25	1	**9.209 841**
12.0	25	1	**9.209 842**

4 Screwthread connection caps HT (High Temp.)

BOLA

PPS (polyphenylene sulphide), reinforced with glassfibre, providing very high mechanical strength, even at temperatures up to +250°C. The contoured grip ensures secure closing and easy opening.

For thread size GL	Bore diam. mm	PK	Cat. No.
14	9	1	**9.209 115**
18	11	1	**9.209 119**
25	15	1	**9.209 126**
32	20	1	**9.209 133**
45	34	1	**9.209 136**

1 Keck adapters KA 14

Glass fibre reinforced thermoplastic polyester (PBT).
Melting point 225°C. Temperature and chemically resistant. For quick, secure, tight connection of tubing with glass screwthreads and ferrules.

For	Colour	PK	Cat. No.
Glass ferrule GL 14 complete	yellow	1	**9.208 931**
Glass ferrule RD 14 complete	red	1	**9.208 941**
Glass screwthread GL 14	yellow	1	**9.208 930**
Glass screwthread RD 14	red	1	**9.208 940**

2 Accessories for Keck adapter KA 14

Type	For	Colour	PK	Cat. No.
Tubing section with flat seal	9mm	blue	1	**9.208 935**
Screwthread cap	Glass screwthread GL 14	yellow	1	**9.208 932**
Screwthread cap	Glass screwthread RD 14	red	1	**9.208 942**
Clamping ring with 0-ring	Glass ferrules	yellow	1	**9.208 933**
Clamping ring with 0-ring	Glass ferrules	red	1	**9.208 943**
Coupling (PBT)	For connecting 2 tubing sections	-	1	**9.208 957**

3 GL fittings

BOLA

PTFE couplings with GL connector screwthread. Connect PTFE, PFA, FEP, glass and metal tubing. Fittings are chemical and temperature resistant to approx. 250°C. Can be used at working pressures of up to 10 bar when used in combination with Bola laboratory screwthread connections (at room temperature). A further advantage is that they can be used as expansion/reduction adapters to connect tubing of different diameters. For easy tubing connection we recommend accessory Bola laboratory screwthread connectors - please order separately.

Neck thread GL	Bore mm	PK	Cat. No.
14	6.5	1	**9.207 133**
18	10.5	1	**9.207 134**
25	14.5	1	**9.207 135**

9.209 851

9.209 852

Bottle distributors, PTFE

BOLA

With GL-threaded necks and screw caps. Suitable for GL45 threaded bottles. The distributors are ideal for decanting liquids, whereby the necks are connected either to a liquid source or to an excess pressure or vacuum system (up to 6mm max. tubing diameter). For hassle-free connection, we recommend the Bola threaded connector (please order separately) in accordance with the outer diameter of the tubing.

Type	Neck	PK	Cat. No.
PFA	2 x GL 14	1	**9.209 851** 4
PTFE	3 x GL 14	1	**9.209 852** 5
PTFE	3 x GL 18	1	**9.209 844**

Flexible Distributors, PP

BOLA

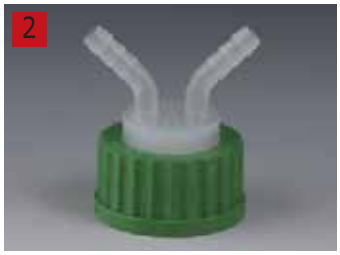
For connecting elastic tubing by simply slipping it onto hose connectors. Suitable for GL45 threaded bottles. With screw cap made of glass-fibre reinforced PP, ideal for transferring liquids or gases. The angled tubing connectors can be attached to a liquid source, a pressure source or a vacuum system. Avoid crimping of the tubing. The distributor can be loosened by simply turning the screw cap. The complete distribution system can then be fixed onto another bottle.

number of nozzles	For tubing bore mm	PK	Cat. No.
2	6 - 9	1	**7.634 892** 1
3	6 - 9	1	**9.209 858** 2
2	7 - 11	1	**9.209 859**

1

7.634 892

2



9.209 858

3 GL stopcocks, PTFE

BOLA

Stopcocks with cylindrical taps and GL screwthread made of pure PTFE, giving almost total chemical resistance. Can be used at working pressures of up to 6 bar when used in combination with Bola laboratory screwthread connections (at room temperature).
A further advantage is that they can be used as expansion/reduction adapters to connect tubing of different diameters.
For easy tubing connection we recommend accessory Bola laboratory screwthread connectors - please order separately.

2-way construction.

3

Neck thread GL	Bore diam. mm	PK	Cat. No.
14	4	1	**9.207 153**
18	6	1	**9.207 154**
25	8	1	**9.207 155**

4 Stopcocks, PTFE

BOLA

With 3-way GL screwthread connections. With L-shape key bore.

Neck thread GL	Bore diam. mm	PK	Cat. No.
14	4	1	**9.207 156**
18	6	1	**9.207 157**
25	6	1	**9.207 158**

4

5 Two-way valves Laboplast®

Bürkle

Resistant to compression max. 1 bar.
- PVDF: excellent chemical resistance, transparent, suitable for food
- PP/PE: for industrial use, red/white
- Operating temperature: PVDF +0 up to +40°C, PP/PE +5 up to +40°C

For tubing bore mm	Valve bore mm	Material	PK	Cat. No.
5 to 7	4	PVDF	1	**9.116 771**
7 to 9	6	PVDF	1	**9.116 772**
9 to 11	8	PVDF	1	**9.116 773**
11 to 13	8	PVDF	1	**9.116 775**
5 to 7	4	PE / PP	1	**9.116 781**
7 to 9	6	PE / PP	1	**9.116 782**
9 to 11	8	PE / PP	1	**9.116 783**
11 to 13	8	PE / PP	1	**9.116 784**

5

1 Three-way valves Laboplast®

Bürkle

- Transparent, PVDF. Very high chemical resistance. Suitable for food use. Maximum pressure 1 bar.
- Red/white, PE/PP. Economical. For industrial use. Suitable for food use. Maximum pressure 1 bar.
- Operating temperature: PVDF +0°C up to +40°C, PP/PE +5°C up to +40°C.

For tubing bore mm	Valve bore mm	Material	PK	Cat. No.
5 to 7	4	PVDF	1	**9.116 776**
7 to 9	6	PVDF	1	**9.116 777**
9 to 11	8	PVDF	1	**9.116 778**
11 to 13	8	PVDF	1	**9.116 780**
5 to 7	4	PE / PP	1	**9.116 786**
7 to 9	6	PE / PP	1	**9.116 787**
9 to 11	8	PE / PP	1	**9.116 788**
11 to 13	8	PE / PP	1	**9.116 789**

2 Tubing connectors, PP

Transparent, PP. Straight,

BRAND

For tubing bore mm	Length mm	PK	Cat. No.
3 to 5	47	1	**9.207 163**
6 to 10	55	1	**9.207 165**
9 to 13	57	1	**9.207 168**

3 Tubing connectors, PP

Transparent, PP. Straight. Used to link tubing of different diameters.

BRAND

For tubing bore mm	Length mm	PK	Cat. No.
5 to 17	110	1	**9.207 270**

4 Tubing connectors, PP

Grey. PP. Straight.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
4 to 5	39	1	**9.207 221**
5 to 7	52	1	**9.207 222**
7 to 9	59	1	**9.207 223**
9 to 11	59	1	**9.207 224**
11 to 13	66	1	**9.207 225**
13 to 15	66	1	**9.207 226**

5 Tubing connectors, PP

PP. T- shape.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
3 - 4	20	1	**9.207 182**
4 - 5	30	1	**9.207 183**
6 - 7	40	1	**9.207 184**
8 - 9	55	1	**9.207 185**
10 - 11	69	1	**9.207 189**
12 - 13	79	1	**9.207 190**

1 Tubing connectors, PE-HD

PE-HD. Straight. *BRAND*

For tubing bore mm	Length mm	PK	Cat. No.
10 to 11	45	1	**9.207 167**
12 to 14	74	1	**9.207 169**
19 to 21	74	1	**9.207 174**
24 to 26	84	1	**9.207 179**

2 Plug tubing connectors, PE

PE. Comprising of two pull-apart sections, similar to conical ground joint. Not suitable for high pressure applications. *Kartell*

For tubing bore mm	Length mm	PK	Cat. No.
3 to 5	57	1	**9.207 261**
5 to 7	65	1	**9.207 262**
7 to 9	70	1	**9.207 263**
9 to 12	75	1	**9.207 264**
11 to 14	80	1	**9.207 265**

3 Reduction adapters/Reducing adapters, PP

Transparent , PP. *BRAND*

For tubing bore mm	Length mm	PK	Cat. No.
3 to 5 / 6 to 10	55	1	**9.207 336**
3 to 5 / 9 to 13	55	1	**9.207 338**
6 to 10 / 9 to 13	59	1	**9.207 340**

4 Non-return valves, PP

NEW!

Prevents water back-flow when pressure falls. Useful for any tubing system and vacuum line. Maximum safe working pressure:2 bar, minimum: 0.07 bar at room temperature (20°C). *Kartell*

Int. diam. mm	PK	Cat. No.
8-10	1	**9.303 028**
10-15	1	**9.303 029**

5 Reduction adapters/Reducing adapters, PE-HD

Transparent, PE-HD. *BRAND*

For tubing bore mm	Length mm	PK	Cat. No.
8 to 10/11 to 14	66	1	**9.207 356**
12 to 14/18 to 20.5	73	1	**9.207 357**

6 GL fittings, PTFE

PTFE couplings with GL connector screwthread. Connect PTFE, PFA, FEP, glass and metal tubing. Fittings are chemical and temperature resistant to approx. 250°C. Can be used at working pressures of up to 10 bar when used in combination with Bola laboratory screwthread connections (at room temperature). A further advantage is that they can be used as expansion/reduction adapters to connect tubing of different diameters. For easy tubing connection we recommend accessory Bola Laboratory screwthread connectors which can be ordered separately. *BOLA*

Neck thread GL	Bore mm	PK	Cat. No.
14	6.5	1	**9.207 113**
18	10.5	1	**9.207 114**
25	14.5	1	**9.207 115**

1 Y - tubing connectors, PP

Transparent, PP. Y- shape.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
3 to 4	24	1	**9.207 200**
4 to 5	35	1	**9.207 203**
6 to 7	54	1	**9.207 205**
8 to 9	64	1	**9.207 207**
10 to 11	74	1	**9.207 208**
12 to 13	87	1	**9.207 210**

2 120° Y connectors, PP

Kartell

Diam. mm min./max.	Tubing i.d. mm	PK	Cat. No.
4/5/6	1.5	1	**9.207 231**
6/7/8	2.7	1	**9.207 232**
8/9/10	4.7	1	**9.207 233**
10/11/12	5.5	1	**9.207 234**
12/13/14	7.6	1	**9.207 235**
14/15/16	9.6	1	**9.207 236**

3 4 way connectors, PP

Kartell

Diam. mm	Tubing i.d. mm	PK	Cat. No.
3.5	1.5	1	**9.207 241**
6.0	2.7	1	**9.207 242**
8.0	4.6	1	**9.207 243**
10.0	7.0	1	**9.207 244**
12.0	8.0	1	**9.207 245**
13.5	9.5	1	**9.207 246**
15.0	11.6	1	**9.207 247**

4 L - tubing connectors, PP

Transparent, PP. L-shape.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
3 to 4	15	1	**9.207 251**
5	21	1	**9.207 252**
6 to 7	25	1	**9.207 253**
8 to 9	30	1	**9.207 254**
10 to 11	36	1	**9.207 255**
12 to 13	42	1	**9.207 256**
14 to 15	48	1	**9.207 257**

5 Tubing connectors, TPX

Type	For tubing bore mm	PK	Cat. No.
C-1, straight	3-5	1	**9.207 601**
C-2, straight	5-8	1	**9.207 602**
C-3, straight	8-10	1	**9.207 603**
Y-1, Y-shape	3-5	1	**9.207 611**
Y-2, Y-shape	5-8	1	**9.207 612**
Y-3, Y-shape	8-10	1	**9.207 613**
T-1, T-shape	3-5	1	**9.207 621**
T-2, T-shape	5-8	1	**9.207 622**
T-3, T-shape	8-10	1	**9.207 623**
E-1, reduction adapter	3-5 / 5-8	1	**9.207 631**
E-2, reduction adapter	5-8 / 8-13	1	**9.207 632**

1 Mini tubing connectors, PP

Type	For tubing bore mm	PK	Cat. No.
Straight, AA	1.6	1	**9.207 291**
Straight, DD	2.5	1	**9.207 292**
Straight, CC	3.2	1	**9.207 293**
Straight, 4040	4.0	1	**9.207 801**
T-shape, T10	1.6	1	**9.207 294**
T-shape, T20	2.5	1	**9.207 295**
T-shape, T30	3.2	1	**9.207 296**
T-shape, T40	4.0	1	**9.207 811**
T-shape, T50	5.0	1	**9.207 812**
T-shape, T60	6.5	1	**9.207 813**
L-shape, L10	1.6	1	**9.207 821**
L-shape, L20	2.5	1	**9.207 822**
L-shape, L30	3.2	1	**9.207 823**
Y-shape, Y210	1.6	1	**9.207 831**
Y-shape, Y220	2.5	1	**9.207 832**
Y-shape, Y230	3.2	1	**9.207 833**
Reduction adapter, AD	1.6 - 2.5	1	**9.207 297**
Reduction adapter, AC	1.6 - 3.2	1	**9.207 298**
Reduction adapter, 1040	1.6 - 4.0	1	**9.207 834**
Reduction adapter, 1050	1.6 - 5.0	1	**9.207 835**
Reduction adapter, DC	2.5 - 3.2	1	**9.207 299**
Reduction adapter, 2040	2.5 - 4.0	1	**9.207 841**
Reduction adapter, 2050	2.5 - 5.0	1	**9.207 842**
Reduction adapter, 3040	3.2 - 4.0	1	**9.207 843**
Reduction adapter, 3050	3.2 - 5.0	1	**9.207 844**
Reduction adapter, 3060	3.2 - 6.5	1	**9.207 845**
Reduction adapter, 4050	4.0 - 5.0	1	**9.207 846**
T-reduction adapter, T230/210	1 x 1.6, 2 x 3.2	1	**9.207 865**
T-reduction adapter, T230/220	1 x 2.5, 2 x 3.2	1	**9.207 866**
T-reduction adapter, T210/220	1 x 2.5, 2 x 1.6	1	**9.207 867**
T-reduction adapter, T220/230	1 x 3.2, 2 x 2.5	1	**9.207 869**
Straight, threaded, M6210	1.6	1	**9.207 871**
Straight, threaded, M6220	2.5	1	**9.207 872**
Straight, threaded, M6230	3.2	1	**9.207 873**
Straight, threaded, M6240	4.0	1	**9.207 874**
Straight, threaded, M6250	5.0	1	**9.207 875**

Other materials on request!

2 Non-return valves, PE-HD

PE-HD. FKM (Viton®) valve disc. Not suitable for pressure applications. *BRAND*

Int. diam. mm	Length mm	PK	Cat. No.
6 to 9	80	1	**9.303 039**

3 Dialysis tubing clips

Orange, PP. Suitable for RC standard membranes. Autoclavable.

Flat width mm	PK	Cat. No.
12	1	**9.206 734**
23	1	**9.206 735**
35	1	**9.206 736**
55	1	**9.206 737**
75	1	**9.206 738**

Further colours and clips for Biotech membranes available on request.

4 Mediclips

Robust PPF. For flat widths of dialysis tubing up to 40mm.

Type	PK	Cat. No.
Mediclips	1	**9.206 300**

1

1 Keck tubing clamps KT

Thermoplastic polyester (PBT). Continuous control of flow rate in tubing with just one finger.

For external tube diam. mm	Colour	PK	Cat. No.
4.5	red	1	**9.205 904**
6.0	yellow	1	**9.205 906**
10.0	blue	1	**9.205 910**
14.0	red	1	**9.205 914**

2

2 Tubing clamps, Acetal

Resistant to deformation and corrosion. *Bel-Art Products*

Mini-Clamp:
Single position on/off clamp. Use for thin-walled tubingwith outer diameter up to 4.7mm

Mid-Range Clamp:
Adjustable in 15 positions.
Suitable for tubing with outer diameter from 3.2mm to 11mm.

Maxi Clamp:
Adjustable in 12 positions.
Suitable for tubing with outer diameter up to 19mm

Description	PK	Cat. No.
Tubing clamp, mini	100	**6.301 574**
Tubing clamp, mid-range	12	**9.205 918**
Tubing clamp, maxi	6	**6.254 275**

3

3 Tubing clamp, Acetal

Clamp is molded of strong, durable plastic with serrated jaws 27mm long. Attach at any point on tubing without disconnecting tubing. Designed to be operated with one hand, the clamp locks closed and opens when the locking tab is released. *Bel-Art Products*

- Autoclavable
- One hand open and close operation
- For use on tubing with a wall thickness of 0.82mm or thinner
- When not in use, the circular opening (approximately 6 mm diameter) at hinge end allows clamp to remain attached to tubing having 6-10mm OD with little to no restriction in flow
- Overall length is 59mm

Type	PK	Cat. No.
Tubing clamp	12	**6.200 838**

4

5

4 5 Curved tubing clamps stop-it, PVDF

Stepless flow regulation. The micro setting screw allows very fine stepless flow control, the flow can also be shut off completely. The fully adjustable pressure plate squeezes the hose against the stable steel hook. The hose is compressed over a wide area in order to prevent it from being damaged. Easy-Click closure - Stopper can be opened and closed in any position - without tiresome screwing on and off. Stopper is with up to 160°C heat-resistant and chemical resistant plastic PVDF, the clamp is galvanised steel. Available in 3 sizes for hose diameters up to 20mm. *Bürkle*

Colour	To fit tubing mm	PK	Cat. No.
red	0.5 to 10	1	**9.303 775**
red	0.5 to 15	1	**9.303 776**
red	1.0 to 20	1	**9.303 777**
yellow	0.5 to 10	1	**9.303 778**
yellow	0.5 to 15	1	**9.303 779**
yellow	1.0 to 20	1	**9.303 780**
blue	0.5 to 10	1	**9.303 781**
blue	0.5 to 15	1	**9.303 782**
blue	1.0 to 20	1	**9.303 783**
green	0.5 to 10	1	**9.303 784**
green	0.5 to 15	1	**9.303 785**
green	1.0 to 20	1	**9.303 786**

Sample bags please see page 181.

1 2 Tubing clamps stop-it, Metall

Tubing clamps can regulate or stop the flow through of tubings that carry fluids or gases. Stepless flow regulation: The knurled screw allows very fine stepless flow control. *Bürkle*
The flow can also be shut off completely. The fully adjustable pressure plate squeezes the hose against the stable steel hook. The hose is compressed over a wide area, in order to prevent it from being damaged, stop-it can be mounted on hoses after they have been connected. stop-it metal is extremely heat resistant and robust due to the steel and aluminum. The hose clamp is available in four different sizes up to a maximum hose diameter of 30mm.

1

2

To fit tubing mm	PK	Cat. No.
0.5 to 10	1	**9.303 787**
0.8 to 15	1	**9.303 788**
1.1 to 20	1	**9.303 789**
2.5 to 30	1	**9.303 790**

3 Tubing clips, Mohr pattern

Nickel plated. Spring pinchclip.

3

Length mm	PK	Cat. No.
40	1	**9.180 040**
50	1	**9.180 050**
60	1	**9.180 060**
70	1	**9.180 070**
80	1	**9.180 080**

4 Tubing clips, Hofmann pattern

Brass nickel plated. Bottom hinged.

4

Clamping range mm	PK	Cat. No.
12	1	**9.180 112**
17	1	**9.180 117**
20	1	**9.180 120**
25	1	**9.180 125**
30	1	**9.180 130**
40	1	**9.180 140**
50	1	**9.180 142**

5 Tubing clips, Hofmann pattern

Brass/nickel. Extra strong. With wing nut closure. Bottom hinged. *Bochem*

5

Clamping range mm	PK	Cat. No.
50	1	**9.180 150**

6 Tubing clamps

Pean pattern. Polished stainless steel. For clamping tubing. *Bochem*

6

Length mm	PK	Cat. No.
140	1	**9.180 199**
160	1	**9.180 200**
180	1	**9.180 201**

1 Curved tubing clamps

Wilo. SK range. Steel. Large, plastic knurled nut with embedded brass screwthread insert which closes a metal bracket onto the curved tubing stirrup. Clamping range 10mm to 30mm. Temperature resistant up to 150°C.

Clamping range mm	Material	PK	Cat. No.
10	Knurled nut Aluminium	1	**9.180 210**
15	Knurled nut Moulded plastic	1	**9.180 215**
20	Knurled nut Moulded plastic	1	**9.180 220**
30	Knurled nut Moulded plastic	1	**9.180 230**

2 Nickel chromium steel clips

Hose clips, with hexagonal head.

Jaw opening mm	PK	Cat. No.
10 to 5.5	1	**9.207 510**
12 to 8.5	1	**9.207 512**
14 to 9.5	1	**9.207 514**
17 to 12.0	1	**9.207 517**
21 to 16.0	1	**9.207 521**
25 to 20.0	1	**9.207 525**
29 to 24.0	1	**9.207 529**

3 Worm drive tubing clamps

To DIN 3017. Chrome steel 1.4016. With galvanized, worm drive screw.

Jaw opening mm	Band-width nm	PK	Cat. No.
7 to 11	5.0	1	**9.207 435**
11 to 19	5.0	1	**9.207 436**
8 to 12	7.5	1	**9.207 437**
10 to 16	7.5	1	**9.207 439**
12 to 22	9.0	1	**9.207 440**
16 to 25	9.0	1	**9.207 445**
20 to 32	9.0	1	**9.207 452**
25 to 40	9.0	1	**9.207 460**
32 to 50	9.0	1	**9.207 465**
40 to 60	9.0	1	**6.241 130**

4 Herbie tubing clamps

Beetle nylon 6.6. Simple to assemble by pressing together without the need for tools. Quick to detach with side dislocation. Good chemical resistance. Temperature resistant from -40°C to +170°C. Longterm temperature 125°C, shortterm temperature 170°C.

Type	Jaw opening mm	PK	Cat. No.
AA	6.5 to 7.9	1	**9.207 707**
B	7.9 to 9.2	1	**9.207 708**
BB	9.2 to 10.3	1	**9.207 709**
C	10.2 to 11.8	1	**9.207 710**
D	12.0 to 13.8	1	**9.207 712**
E	13.1 to 15.1	1	**9.207 713**
F	15.0 to 17.1	1	**9.207 715**
G	16.9 to 19.1	1	**9.207 717**
H	18.1 to 20.6	1	**9.207 718**
I	20.3 to 23.0	1	**9.207 720**
K	22.2 to 24.9	1	**9.207 722**
L	24.5 to 27.6	1	**9.207 725**

5 Tubing clamps POM

Hose clips made of Polyacetal (POM). *Bürkle*

Jaw opening mm	PK	Cat. No.
6.0 to 6.5	10	**6.052 587**
9.0 to 10	10	**6.052 588**
10.0 to 11	10	**6.052 589**
11.0 to 12	10	**6.052 590**
12.0 to 14	10	**6.052 591**
13.0 to 15	10	**6.052 592**
15.0 to 17	10	**6.052 593**
17.0 to 19	10	**6.052 594**
18.0 to 20	10	**6.052 595**
20.0 to 22	10	**6.052 596**
23.0 to 25	10	**6.052 598**

1 Autoclavable adhesive Tape

Indicator adhesive tape with steam indicator, for steam sterilisation. The white stripes change colour to brown whilst being autoclaved (121°C and 134°C). Supplied in a roll of 50M, 19mm wide.

Type	PK	Cat. No.
Indicator adhesive tape	1	**9.140 784**

2 Dry-Heat Indicator Tape, Comply™

3M Deutschland

Lead free version available now.
Semi-crepe paper. Self adhesive. Very good adhesion on various soft packagings. This chemical indicator tape is designed for use as packaging tape and for the immediate identification of items exposed to dry heat processing. Supplied in a roll of 55M.

Type	Width mm	PK	Cat. No.
Comply™	19	1	**9.140 783**

For more sterilization tapes see 1162.

3 Adhesive parcel tape tesapack® 4024

Strong, brown tape.

Width mm	Length m	PK	Cat. No.
50	66	1	**9.140 813**

4 Adhesive tape dispenser tesa® 6285

For sealing cardboard boxes, using accessory tesapack®, tesafilm® or tesakrepp® sealing materials.

Width mm	PK	Cat. No.
50	1	**9.140 817**

1

1 Adhesive label tape Write-on™, writable

Bel-Art Products

Specially coated plastic tape with adhesive backing. Makes labels of any length. Can be used with any pens. Excellent adhesion to glass, metal, PE etc. Resistant to humidity, as well as acids and alkali solutions in weak concentrations. Leaves no residue when removed.

Temperature resistance
up to +257°C: 30 min
up to +80°C: 24 h
Resistant to -80°C.

Colour	Width mm	Length m	PK	Cat. No.
White	12.7	36.6	1	**9.040 379**
White	19.0	36.6	1	**9.040 380**
White	25.4	36.6	1	**9.040 381**
White	12.7	54.9	1	**9.040 351**
White	19.0	54.9	1	**9.040 352**
White	25.4	54.9	1	**9.040 353**
Red	12.7	36.6	1	**9.040 336**
Red	19.0	36.6	1	**9.040 341**
Red	25.4	36.6	1	**9.040 346**
Yellow	12.7	36.6	1	**9.040 337**
Yellow	19.0	36.6	1	**9.040 342**
Yellow	25.4	36.6	1	**9.040 347**
Green	12.7	36.6	1	**9.040 338**
Green	19.0	36.6	1	**9.040 343**
Green	25.4	36.6	1	**9.040 348**
Blue	12.7	36.6	1	**9.040 339**
Blue	19.0	36.6	1	**9.040 344**
Blue	25.4	36.6	1	**9.040 349**
Orange	12.7	36.6	1	**9.040 340**
Orange	19.0	36.6	1	**9.040 345**
Orange	25.4	36.6	1	**9.040 350**

2

2 Adhesive tape dispenser Write-On™

Bel-Art Products

- For one roll Write-On™ adhesive tape
- With epoxy-coated steel writing platform
- Weighted base with non-skid pads prevents sliding or lifting
- 76mm core fits standard tape rolls up to 25mm wide and accepts tape rolls having a maximum diameter of 133mm
- accepts 36.6m as well as 54.9m rolls
- Dimensions of base is 213 x 87 x 95mm (w x d x h)
- Dimensions of writing platform 102 x 152mm

Type	PK	Cat. No.
Write-On™	1	**9.040 388**

3

3 Adhesive tape dispenser Write-On™ Economy

NEW!

Bel-Art Products

Provides a smooth writing surface, making labeling easy and fast. When marked tape is advanced and cut off on the serrated edge, a fresh length of label tape is positioned on the writing platform. Plastic cutting edge is moulded into the housing. Various widths and colours of tape rolls can be mixed together on the spindles, which accommodates 5 or more 12 to 19mm narrow rolls or 4 x 25mm wide rolls. Spindles are easily removed from the unit for loading and unloading and can be adjusted to hold either 25 or 75mm core diameter rolls.

- Includes three plastic separating discs to assure smooth, snag free dispensing for up to four rolls of tape (additional discs on request).
- Moulded-in pen holder wells on the dispenser help to keep writing instruments handy
- Ideal for use with the full line of Write-On™ Tapes, which are available in 6 colors and 3 widths.
- Includes mounting holes for secure attachment to a benchtop (screws not included). Can also be attached to vertical surfaces using Wall Mount Adapter

Dimensions (WxDxH): 302mm x 143mm x 121mm

Items supplied:
Write-On™ Economy: Adhesive tape dispenser incl. 1 roll of 12mm white Write-On™ Labeling Tape

Type	PK	Cat. No.
Write-On™ Economy	1	**9.040 389**

1 Adhesive tape for label protection

Clear, polyester tape. With special synthetic adhesive. Resistant to moisture and most solvents. Resistant to temperatures of -196 to +200°C (dry heat) and up to +121°C (steam sterilization). Excellent adhesion to glass, metal, PE etc. Supplied in rolls as outlined below.

Bel-Art Products

Width mm	Length m	PK	Cat. No.
25	32.9	1	**9.040 425**
38	32.9	1	**9.040 438**
51	32.9	1	**9.040 450**

2 Label dispenser

For easy and quick dispencing of tape for safety labels and Bel-Art labels.

Type	PK	Cat. No.
Label dispenser	1	**9.040 550**

3 Adhesive labels

White, blank, self-adhesive labels. 75g/m² woodfree paper, with strong rubber adhesive coating. Smear-resistant, sheet size approx. 168 x 120mm. Packed in sturdy cardboard boxes. Label sizes and pack quantities as outlined below.

Width mm	Length mm	PK	Cat. No.
30	12	10000	**9.040 612**
40	13	5000	**9.040 614**
22	16	10000	**9.040 616**
40	19	5000	**9.040 618**
50	20	5000	**9.040 620**
40	25	5000	**9.040 625**
53	34	2500	**9.040 635**
67	34	1000	**9.040 636**
82	52	1000	**9.040 652**

4 Deep freeze labels SuperPrint, white

Self-adhesive deep-freeze labels on A4 sheets. Remains firmly attached even at very low temperatures. Perfect for all PC printers (laser/inkjet/dot-matrix), copiers and multi-functional machines. Not suitable for colour laser printers and colour copiers. The label paper in High-Resolution-Quality guarantees perfect toner fixing and optimum laser printing results, also at high resolution. Trouble-free processing due to all-around protective edge and optimum flatness.

Length mm	Width mm	PK	Cat. No.
38.1	21.2	25	**6.201 004**
66.0	33.8	25	**6.201 005**

5 Cryogenic labels, Type 5040

Durable, non-shrinking, plain cloth labels. Ideal for labelling cryoboxes. Supplied in packs of 10 sheets of labels with each sheet containing 20 labels.

Thermo Scientific

Type	Width mm	Height mm	PK	Cat. No.
5040	50	25	200	**9.400 976**

1 Deep freeze labels TOUGH-SPOTS®

NEW!

Heathrow Scientific

Pre-cut Peel-off round lables for 0.5 and 1.5/2.0ml microcentrifuge tube tops.
Temperature resistant from -196°C to 80°C.
Easy to write on: PVC labels accept writing from most lab markers.
Convenient: Dispensing box assists in labeling individual tubes used in small experiments.

Dimensions:	**For vessels:**
9.5mm diam.	0.5ml tubes
13mm diam.	1.5/2.0ml tubes

Diam. mm	Colour	PK	Cat. No.
9.5	White	1000	**9.040 711**
9.5	Blue	1000	**9.040 712**
9.5	Green	1000	**9.040 713**
9.5	Red	1000	**9.040 714**
9.5	Yellow	1000	**9.040 715**
13.0	White	1000	**9.040 716**
13.0	Blue	1000	**9.040 717**
13.0	Green	1000	**9.040 718**
13.0	Red	1000	**9.040 719**
13.0	Yellow	1000	**9.040 720**

2 Deep freeze labels Cryo-Babies/Cryo-Tags

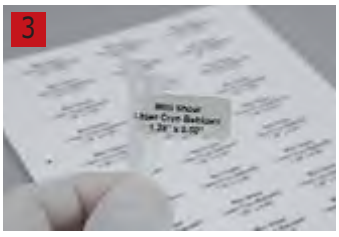
NEW!

Heathrow Scientific

Temperature resistant from -196°C to +150°C. All labels withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water baths (100°C), autoclaving and moderate oven temperatures (150°C). Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling and degrading. Made with a flexible, polyfin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in a strong adhesive bond. Convenient dispensing box assists in labeling individual tubes used in small experiments. Easy to write on. PVC labels accept writing from most lab markers including solvent resistant pens.

Dimensions (L x W):	**For vessels:**
24 x 13mm	0.5ml tubes
33 x 13mm	1.5/2.0ml tubes
38 x 13mm	General application

Type	Dimensions (W x D) mm	Colour	PK	Cat. No.
Cryo-Babies	24 x 13	White	1000	**9.100 030**
Cryo-Babies	33 x 13	White	1000	**9.100 031**
Cryo-Tags	38 x 13	White	1000	**9.100 032**



3 Laser deep freeze labels Cryo-Babies

NEW!

Heathrow Scientific

Temperature resistant from -196°C to +150°C. All sheets withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water baths (100°C), autoclaving and moderate oven temperatures (150°C). Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling and degrading. Made with a flexible, polyfin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in a strong adhesive bond. Label sheets are specially top-coated to readily accept laser printing. Heat-resistant, stay-flat sheets will not jam in laser printers. Easy to write on. PVC labels accept writing from most lab markers including solvent resistant pens.

Dimensions (W x D) mm	PK	Cat. No.
33 x 13	1700	**9.100 033**

Cryogenic items - please see our chapter 7

1 Labels Tough-Tags

NEW!

Heathrow Scientific

Temperature resistant from -40°C to +121°C. Tough-Tags resist boiling water baths, autoclaving and moderate freezer temperatures. Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling and degrading. Tubes are pre-cut, peel-off labels which accept many marking instruments. They are perfectly sized to fit microcentrifuge tubes and other containers in the laboratory. Tubes labeled with Tough-Tags easily slide in and out of centrifuge rotors without binding.

Dimensions (L x W):	**For vessels:**
24 x 13mm	0.5ml tubes
33 x 13mm	1.5/2.0ml tubes
38 x 6mm	Microplates
21 x 7mm	PCR tubes
38 x 19mm	General application

Dimensions (W x D) mm	Colour	PK	Cat. No.
24 x 13	White	1000	**9.100 045**
24 x 13	Blue	1000	**9.100 046**
24 x 13	Green	1000	**9.100 047**
24 x 13	Red	1000	**9.100 048**
24 x 13	Yellow	1000	**9.100 049**
33 x 13	White	1000	**9.100 040**
33 x 13	Blue	1000	**9.100 041**
33 x 13	Green	1000	**9.100 042**
33 x 13	Red	1000	**9.100 043**
33 x 13	Yellow	1000	**9.100 044**
38 x 6	White	1000	**9.100 050**
21 x 7	White	1500	**9.100 051**
38 x 19	White	1000	**9.100 052**

2 Label station, acrylic for Tough-Tags®/Cryo-Babies®/Tough-Spots®

NEW!

Heathrow Scientific

Portable label station holds up to six standard size boxes of Tough-Tags®, Cryo-Babies®, and Tough-Spots®. Just drop the box in the label station and feed the paper through the slot.
- Acrylic station includes a writing surface, a cutting edge for easy dispensing and non-skid rubber feet
- Counter-sunk holes provided for wall mounting

Dimensions (W x D x H) mm	PK	Cat. No.
280 x 89 x 120	1	**9.100 060**

3 Label solvent, Solvent 50

SOLVENT 50 is a highly effective label solvent for the effortless removal of self adhesive labels on the basis of natural orange terpenes. It works on the adhesive and quickly and gently dissolves adhesive labels on glass, porcelain, metal, wood, foil and cardboard. SOLVENT 50 also removes sticky residue of any kind, such as tar spots or glue residue from stickers. Check compatability when using on plastics. Not suitable for polystyrene.

Density:	Spray: 0.74g/cm³ (20°C) Jerrycan: 0.83g/cm³ (20°C)
Ignition point:	Spray: < 0°C Jerrycan: 46°C
Evaporation rate:	Spray and jerrycan: 94 (DIN 53170 Ether = 1).

Type	Capacity L	PK	Cat. No.
Spray can	0.20	1	**9.412 810**
Jerrycan	5.00	1	**9.412 811**

1

1 BMP™21 Hand-held label printer

The portable label printer BMP™21 creates long lasting labels which adhere securely. Even under extremely demanding industrial applications the thermal transfer printer BMP™21 labels are pin sharp and clearly legible.

Key Features:
- Hard wearing design
- 203 dpi thermal transfer print
- Large LCD Display (3 lines of text, 1 line of icons)
- Left or right handed cutter activation
- Automatic data serialisation and built-in graphics and barcodes

Type	PK	Cat. No.
BMP™21	1	**9.040 551**

Brady labels Material overview

Type B-499: Permanent adhesive, write-on capabilities

Type B-461: Permanent adhesive - suitable for liquid nitrogen application if label material is wrapped around itself, as in self-lamination, write-on capabilities

Type B-481: Clear polyester will remain resistant when exposed to xylene and other chemicals that are commonly used in the slide staining process.

Type B-488: Permanent acrylic adhesive - ideal for flat surfaces, write-on capabilities, excellent solvent resistance and xylene resistance

Type B-427: Permanent acrylic adhesive; self-laminating, write-on capabilities, suitable for liquid nitrogen application and can be used to ID a frozen vial if label material is wrapped around itself, as in self-lamination

Type B-492: Label material that will adhere to frozen surfaces

Type B-595: Mark aisles, passageways, storage locations, point out safety equipment, exits. Indoor/outdoor marking film, high gloss, durable, flexible. Temperature range: -40°C to 82°C, durability outdoors up to 10 years.

2

2 Accessories for BMP™21 Hand-held label printer

Brady

Description	PK	Cat. No.
Hard Case	1	**9.040 555**
Magnet	1	**9.040 556**
Tool	1	**9.040 557**
AC Adapter - Europe 220V	1	**9.040 553**
AC Adapter - UK 220V	1	**9.040 554**
AC Adapter - USA 110V	1	**9.040 552**

Application Key for Brady labels

Brady

F = Freezer (-70°C)
N = Liquid Nitrogen (-196°C)
A = Autoclave
H = Hot Water Bath (100°C)
S1 = Self-laminating label
L = Low-Profile (extremely thin)
V = Vial Identification
S2 = Slide Identification
P = Plate Identification
G = General Identification

1 2 3 4 Labels for BMP™21 Hand-held label printer

Brady

Black on white. Brady´s laboratory labels are designed to withstand extreme laboratory environments. The labels are rersistent against high/low temperatures, solvents and chemicals (Alcohol and DMSO).

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Type	Material	Width mm	For	PK	Cat. No.
B-461	Polyester	9.50	F N A H S1 L V S2	6.4	**9.040 562**
B-461	Polyester	12.70	F N A H S1 L V S2	6.4	**9.040 574**
B-461	Polyester	19.05	F N A H S1 L V S2	6.4	**9.040 575**
B-499	Nylon cloth	9.53	F N A V P G	4.2	**9.040 576**
B-499	Nylon cloth	12.70	F N A V P G	4.2	**9.040 577**
B-499	Nylon cloth	19.05	F N A V P G	4.2	**9.040 578**
B-488	Polyester	9.53	F A S2 P G	6.4	**9.040 579**
B-488	Polyester	12.70	F A S2 P G	6.4	**9.040 580**
B-488	Polyester	19.05	F A S2 P G	6.4	**9.040 581**
B-427	Vinyl	19.05	F N S1 V S2 P G	4.2	**9.040 582**
B-427	Vinyl	25.40	F N S1 V S2 P G	4.2	**9.040 583**
B-427	Vinyl	30.48	F N S1 V S2 P G	4.2	**9.040 584**
B-427	Vinyl	38.10	F N S1 V S2 P G	4.2	**9.040 585**

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5 Label printer BBP™ 33

NEW!

Brady

The BBP™ 33 Label Printer is a completely hassle free, easy to use PC-based printer that can print signs and labels up to 101.6 mm wide. Smart chip supplies automatically set up the label in your Brady software, eliminating manual calibration and label waste. Drop-in ribbon and label cartridges ensure fast and effortless material changes. The BBP™ 33 Label Printer can print on a full range of laboratory labels and provides you clear and durable labelling to eliminate errors in sample identification and ensure traceability. It is really that simple and hassle free - exactly the way label making should be. Solves all your labelling challenges

- Thermo transfer printer
- Printer resolution: 300dpi
- Printer speed: 101mm/sec (Max.)
- Dimensions (W x H x D): 230.6 x 241.6 x 304.8mm
- Use LabelMark™and CodeSoft™ label software or with Windows® based driver for 3rd party software use
- Fast and effortless material changeovers

5

Type	PK	Cat. No.
BBP™ 33 EU Printer	1	**9.050 797**
BBP™ 33 UK Printer	1	**9.050 796**
BBP™ 33 EU Printer + MarkWare	1	**9.050 799**
BBP™ 33 UK Printer + MarkWare	1	**9.050 798**

6 Labels for Label printer BBP™33

NEW!

Brady

Type	Material	Dimensions mm	Description	For ink ribbon	PK	Cat. No.
B-461	Polyester	9.53	Labels for vial top identification	B30-R4300	1000	**9.050 811**
B-461	Polyester	12.70	Labels for vial top identification	B30-R4300	1000	**9.050 812**
B-461	Polyester	12.70 x 55.88*	Labels for ampoules and tubes	B30-R4300	1500	**9.050 815**
B-461	Polyester	25.40 x 133.35**	Labels for ampoules and tubes	B30-R4300	650	**9.050 816**
B-481	Polyester	22.86 x 22.86	Labels for slides	B30-R6400	2500	**9.050 817**
B-488	Polyester	22.86 x 19.05	Labels for microplates	B30-R4300	3000	**9.050 813**
B-488	Polyester	48.26 x 6.35	Labels for microplates	B30-R4300	2000	**9.050 814**
B-488	Polyester	22.86 x 19.05	Labels for bottles, flasks, dishes and general identification	B30-R4300	3000	**9.050 818**

Dimensions printable height: *19.05mm, **38.10mm

6

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2

1 2 Label printer BMP™71

Brady

- Large, highly visible colour display with on screen indicators
- WYSIWYG interface
- Easy to load materials; Drop & Go
- Use 1 printer for all your applications
- Computer style keypad, with a selection of 4 layouts
- Standalone operation
- PC connectivity and operational through Brady's software packages LabelMark™ and MarkWare™
- Fast printing
- True field usable printer with long lasting battery and easy to carry printer design
- Auto font sizing
- Multi language user interface
- All European character sets embedded in the printer
- Built in barcode - time/date stamp - 500+ graphics
- Specific label applications
- Wizard based applications for Electrical, Tele/Datacom & Safety labels

Key Material features
- Smart cell technology for all materials and ribbons providing auto formatting
- Largest variety of materials available in the market, both standard and custom made labels
- Can print both on diecut labels and continuous materials, including PermaSleeves™,
- Self-laminating Labels, EPREP (Engraved Plate REPlacement) labels, Reflective, Phosphorescent and Tamper Resistant tapes
- 30+ different materials
- Labels up to 50.80mm wide
- Labels up to 1016mm long
- Prints on all TLS2200® and HandiMark™ parts, including bulk packs

Supplied with: BMP71 comes in a hard carry case with battery pack, AC adapter/battery charger, USB connection cable, TLS/HandiMark label roll adapter, Cleaning card and swab, Product CD (contains user manual, printer driver and tutorial), Quick Start Guide, M71-R6000 black ribbon, M71-31-423 diecut labels and M71C-2000-595-WT tape

Type	PK	Cat. No.
BMP™71-QWERTZ-EU	1	**9.412 915**
BMP™71-QWERTZ-EU + Software Labelmark 5.0	1	**9.412 916**

3

3 Labels for label printers BMP™71

Please order printer ribbons separately. *Brady*

Type	Length m	Width Tip mm	For ink ribbon	PK	Cat. No.
B-595	15.24	13.00	M71-6000	1	**9.412 900**
B-595	15.24	25.40	M71-6000	1	**9.412 901**
B-595	15.24	50.80	M71-6000	1	**9.412 902**
B-461	45.70	12.70	M71-4300	500	**9.412 903**
B-461	45.70	9.53	M71-4300	500	**6.228 911**
B-461	41.28	15.24	M71-4300	250	**6.224 171**
B-498	12.70	25.40	M71-6200	500	**9.412 904**
B-498	38.10	25.40	M71-6200	250	**9.412 905**
B-499	25.40	9.50	M71-4300	500	**9.412 906**
B-499	12.70	22.90	M71-4300	500	**9.412 907**
B-499	9.50	25.40*	M71-4300	500	**9.412 908**
B-488	22.90	19.10	M71-4300; M71-6200	250	**9.412 909**
B-488	22.90	22.90	M71-4300; M71-6200	250	**9.412 910**

* with 9.525 diameter vial top label.

4

4 Permanent markers, edding 404, 0.75mm

Stroke width approx. 0.75mm. Low-odour, smudge-proof water-resistant and quick drying. Refillable. Replaceable tips. For labelling, painting and writing on virtually all materials, including glass, metal and plastics. Alcohol-based ink without toluene/xylene. Colours as outlined below.

Colour	PK	Cat. No.
Black	1	**9.050 451**
Red	1	**9.050 452**
Blue	1	**9.050 453**
Green	1	**9.050 454**

1 Permanent markers, edding 400, 1mm

Stroke width approx. 1mm. Low odour, smudge-proof water-resistant and quick-drying. Refillable. With replaceable tips. For labelling, painting and marking on virtually all materials including glass, metal and plastics. Alcohol-based ink without toluene/xylene.

Colour	PK	Cat. No.
Black	1	**9.050 421**
Red	1	**9.050 422**
Blue	1	**9.050 423**
Green	1	**9.050 424**

2 Permanent markers, edding 3000, 1.5mm to 3mm

The classic with round tip. Stroke width approximately 1.5mm to 3mm. Low-odour, smudge-proof and water-resistant and quick drying. Refillable. Replaceable tips. For labelling, painting and writing on virtually all materials, including glass, metal and plastics. Alcohol-based ink without toluene/xylene. Colours as outlined below.

Colour	PK	Cat. No.
Black	1	**9.050 411**
Red	1	**9.050 412**
Blue	1	**9.050 413**
Green	1	**9.050 414**

Lab markers, 1.0mm point

9.050 602

Writes on dry or wet surfaces including glass, plastic, china and metal. Fine line markers. Colour does not run in water or alcohol when used normally, but can be washed off.

Description	Colour	PK	Cat. No.
extra fine fibre point, approx. 0.6 mm	green	1	**9.050 584**
fine fibre point, approx. 1.0 mm	black	1	**9.050 601**
fine fibre point, approx. 1.0 mm	red	1	**9.050 602**
fine fibre point, approx. 1.0 mm	blue	1	**9.050 603**
fine fibre point, approx. 1.0 mm	green	1	**9.050 604**

4 LAB-Marker II, 0.6mm, highly permanent

With hard wearing, fine fibre point. For labelling most materials (plastic, metal, china, glass etc.) Line thickness: 0.6mm. Particularly suitable for tissue and cell culture applications. The non-toxic ink is dye, bleach and wash-resistant and also resists solvents including alcohol and xylene.

Colour	PK	Cat. No.
black	1	**9.050 611**
red	1	**9.050 612**

5 CD/DVD/BD markers, edding 8400, 0.5mm to 1mm

Stroke width approx. 0.5mm to 1mm. Special marker for the careful and permanent labelling of CDs, DVDs and Blu-ray discs. Soft tip and special water-based ink (solvent-free) will not damage the sensitive surface of the data layer unlike alcohol-based ink. Ink is smudge-proof and water-resistant on drying.

Colour	PK	Cat. No.
Black	1	**9.050 696**

6 LLG-Lab Notebook

For recording research data, experimental procedures, and design ideas. Use these notebooks to keep your information safe and well organised. Numbered, acid-free, grid pages include spaces for title, project number, book number, date, and witness signature. Lined notebooks feature college ruled pages for easy report writing. Covers are waterproof and chemical-resistant. All notebooks contain periodic and conversion tables in the back. Admissible as court evidence when used as prescribed by law. Measures: 216 x 279mm.

Description	Type	Colour	PK	Cat. No.
Lab Notebook, 100 pages	grid	black	1	**9.050 750**
Lab Notebook, 200 pages	grid	blue	1	**9.050 751**
Lab Notebook, 200 pages	lined	red	1	**9.050 752**

1

1 Molecular model system Molymod®

NEW!

Spiring Enterprises

The Molymod® system is an original, unique system of high quality molecular models.
The set consists of a variety of atom parts and links designed to make a large number of possible structures relevant to a specific chemistry subject or use, e.g. Biochemistry, Organic or Inorganic. All sets are fully compatible.
Atom parts are made of solid clouded plastic spheres. They are available with holes from 1 to 6 in the usual angular orientations.

Type	Description	PK	Cat. No.
Introductory Set	48 atom parts, 62 links	1	**9.883 101**
Organic Set, large	111 atom parts, 140 links	1	**9.883 103**
Biochemistry Set, large	257 atom parts, 160 links	1	**9.883 107**
Organic Set, small	50 atom parts, 64 links	1	**9.883 108**
Inorganic/Organic Set, small	51 atom parts, 38 links	1	**9.883 109**
Inorganic/Organic Set, large	106 atom parts, 86 links	1	**9.883 104**
Biochemistry Set, small	72 atom parts, 40 links	1	**9.883 110**

2

2 LLG-Laboratory jack, stainless steel

NEW!

Length mm	Width mm	Min. height mm	Max. height mm	Max. load kg	PK	Cat. No.
200	200	90	320	25	1	**9.117 220**

3

3 Swiss Boy laboratory jacks, anodised aluminium.

Anodised aluminium. Corrosion proof, stable and easily adjustable. Equipped with a motor, upper and lower end positions are adjustable. At reaching the setting, the laboratory support stops automatically. In various colours as outlined below.

Width mm	Length mm	Adjustable from / to mm	Max. load kg	Colour	PK	Cat. No.
40	50	31 - 93	20	Green	1	**9.117 100**
75	80	49 - 147	30	Blue	1	**9.117 105**
140	120	60 - 243	50	Pink	1	**9.117 110**
150	122	80 - 278	80	Gold	1	**9.117 115**
216	180	95 - 398	90	Light blue	1	**9.117 116**
320	240	120 - 500	90	Grey	1	**9.117 118**

4

4 Swiss Boy laboratory jack accessories

Swiss Boy laboratory stand accessories. Baseplates and ancilliary plates made of grey/black anodised aluminium. Support used to attach Swiss Boys in any position to apparatus scaffolding existing in many laboratories. Maximum support rod diameter 20mm. Black.

Description	Width mm	Length mm	PK	Cat. No.
Ancillary plate	200	200	1	**9.117 130**
Ancillary plate	300	300	1	**9.117 131**
Ancillary plate	260	180	1	**9.117 132**
Ancillary plate	500	400	1	**9.117 134**
Ancillary plate	220	320	1	**9.117 135**
Baseplate	200	200	1	**9.117 133**
Support rod	12	650	1	**9.117 177**
Support			1	**9.117 199**

1 2 Laboratory jacks, 18/10-stainless steel

Bochem

For those who wish to reach the top
New design and improved construction:
- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:
- All models are manufactured according to DIN 12897.
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
- Smaller models up to 240mm x 240mm (Typ 1) have a simple adjusting wheel, which can be operated by hand.
- With the bigger models from 300mm x 300mm on (Typ 2) is the ratchet includet.

1

2

Type	Width mm	Length mm	Min. height mm	Max. height mm	Max. dyn. kg	Max. stat. kg	PK	Cat. No.
A	100	100	55	120	5	10	1	**9.118 923**
A	130	160	60	275	7	30	1	**9.118 924**
A	200	200	60	275	7	30	1	**9.118 925**
A	240	240	60	275	7	30	1	**9.118 926**
B	300	300	130	470	12	60	1	**9.118 928**
B	400	400	130	470	15	60	1	**9.118 929**
Ratchet		190					1	**9.118 921**

3 4 Laboratory jacks, aluminium

Bochem

For those who wish to reach the top
New design and improved construction:
- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:
- All models are manufactured according to DIN 12897.
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
- Smaller models up to 240mm x 240mm (Typ 1) have a simple adjusting wheel, which can be operated by hand.
- With the bigger models from 300mm x 300mm on (Typ 2) is the ratchet included.

3

4

Type	Width mm	Length mm	Min. height mm	Max. height mm	Max. dyn. kg	Max. stat. kg	PK	Cat. No.
A	100	100	55	120	5	10	1	**9.118 960**
A	160	130	60	275	7	30	1	**9.118 961**
A	200	200	60	275	7	30	1	**9.118 962**
A	240	240	60	275	7	30	1	**9.118 963**
B	300	300	130	470	12	60	1	**9.118 964**
B	400	400	130	470	15	60	1	**9.118 965**
Ratchet		190					1	**9.118 921**

5 6 Laboratory jacks, aluminium anodized

Bochem

For those who wish to reach the top
New design and improved construction:
- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:
- All models are manufactured according to DIN 12897.
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
- Smaller models up to 240mm x 240mm (Typ 1) have a simple adjusting wheel, which can be operated by hand.
- With the bigger models from 300mm x 300mm on (Typ 2) is the ratchet included.

5

6

Type	Width mm	Length mm	Min. height mm	Max. height mm	Max. dyn. kg	Max. stat. kg	PK	Cat. No.
A	100	100	55	120	5	10	1	**9.118 975**
A	160	130	60	275	7	30	1	**9.118 976**
A	200	200	60	275	7	30	1	**9.118 977**
A	240	240	60	275	7	30	1	**9.118 978**
B	300	300	130	470	12	60	1	**9.118 979**
B	400	400	130	470	15	60	1	**9.118 970**
Ratchet		190					1	**9.118 921**

1

1 Laboratory jacks MAXI, 18/10-stainless steel

Bochem

For those who wish to reach the top:
New design and improved construction:
- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:
- The MAXI lab jacks offer 30% more height because of an amplified construction
- Scissor-construction made of 18/10-stainless steel
- Adjustment of height with the help of an adjusting wheel.
- Ergonomic knob, rounded and user friendly
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.

Width mm	Length mm	Min. height mm	Max. height mm	PK	Cat. No.
130	160	75	400	1	**6.225 931**
200	200	75	400	1	**9.118 945**

2

2 Laboratory jacks MAXI, aluminium

Bochem

For those who wish to reach the top:
New design and improved construction:
- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:
- The MAXI lab jacks offer 30% more height because of an amplified construction
- Scissor-construction made of 18/10-stainless steel
- Adjustment of height with the help of an adjusting wheel.
- Ergonomic knob, rounded and user friendly
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.

Width mm	Length mm	Min. height mm	Max. height mm	PK	Cat. No.
130	160	75	400	1	**9.118 946**
200	200	75	400	1	**9.118 947**

3

3 Laboratory jacks with hydraulic drive, stainless steel

Juchheim Laborgeräte

Advantages:
- easy, safe lifting
- stable, parallel movement
- alternative stainless steel versions available on request

Max. kg	Width mm	Length mm	Min. height mm	Max. height mm	PK	Cat. No.
25	200	230	91	285	1	**9.118 980**
25*	200	230	91	285	1	**9.118 971**
25**	200	230	91	285	1	**9.118 981**
15	200	230	108	393	1	**9.118 982**
25	300	300	91	285	1	**9.118 983**
25*	300	300	91	285	1	**9.118 984**

* With safety lowering device
**High-grade steel, except the pump unit

1 Laboratory jacks with hydraulic drive, high capacity

Advantages:
- Easy and safe lifting
- Stable, parallel movement
- Alternative stainless steel versions (1.4571) on request

Juchheim Laborgeräte

Width	Depth	Min. height	Max. height	Max.	PK	Cat. No.
mm	mm	mm	mm	kg		
400	450	175	625	85	1	**9.118 985**
500	500	230	850	85	1	**9.118 986**
600	600	230	1060	85	1	**9.118 987**

2 Laboratory jack LABLIFT m

NEW!

IKA® lab lifts are suitable for raising and supporting small laboratory devices or vessels. The maximum weight that can be raised is up to 7 kg (max. dynamic load) and the maximum supporting weight is up to 25 kg (max. static load). The working height can extend from 70 mm to 300 mm. The auxiliary springs ensures that users can raise large loads easily, especially from the lowest position.

IKA

- The hand wheel ensures that the operation is smooth and comfortable
- The self-lubricating bearing significantly reduces friction

Width	Depth	Min. height	Max. height	Max.	PK	Cat. No.
mm	mm	mm	mm	kg		
200	310	70	300	25	1	**9.720 419**

3 Support rods galvaniser steel

Galvanised steel. To DIN 12893. External diameter 12mm.
With or without M10 thread.

Type	Length mm	PK	Cat. No.
With thread	600	1	**4.008 490**
With thread	750	1	**6.242 703**
With thread	1000	1	**4.008 491**
With thread	1500	1	**9.224 115**
Without thread	600	1	**9.224 126**
Without thread	750	1	**9.224 127**
Without thread	1000	1	**9.224 130**
Without thread	1500	1	**9.224 135**

4 Support rods 18/10 stainless steel

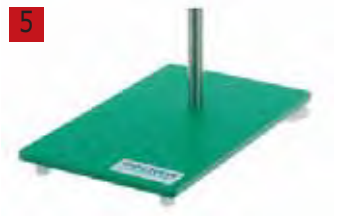
18/10 stainless steel. To DIN 12893. 12mm external diameter.

Thread	Length mm	PK	Cat. No.
M 10	600	1	**4.008 492**
M 10	750	1	**4.008 493**
M 10	1000	1	**4.008 494**
without	600	1	**9.224 226**
without	750	1	**9.224 227**
without	1000	1	**9.224 230**

5 Retort stand bases

Lacquered steel with green finish, M10 thread hole on one short side, 1 foot adjustable. To DIN 12892. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Bochem



Width mm	Length mm	Thickness mm	Weight g	PK	Cat. No.
160	250	6	2000	1	**6.077 369**
200	315	6	3000	1	**9.224 041**
130	210	8	1800	1	**9.224 042**
160	250	8	2600	1	**9.224 043**
200	315	8	4000	1	**9.224 044**
200	315	10	5000	1	**9.224 045**

1

1 Rectangular retort stand bases 18/10 Stainless steel

Highly stable laboratory stand due to the steel rectangular base which is stove enamel coated. With an M10 threaded hole in the middle of one short side. Rubber support feet prevents the stand from sliding. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Width mm	Length mm	Weight g	PK	Cat. No.
130	210	1725	1	**6.242 701**
150	300	2830	1	**4.008 486**
200	315	4000	1	**4.008 487**

2

2 Retort stand bases, Steel

Steel, powder-coated. With an M10 bore hole in the middle of one of the shorter sides. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods". *Juchheim Laborgeräte*

Width mm	Length mm	Weight g	PK	Cat. No.
130	210	1800	1	**6.301 718**
150	300	2900	1	**6.307 252**
200	315	4100	1	**6.074 044**

3

3 Tripod retort stand bases 18/10 Stainless steel

Highly stable laboratory stand due to the steel tripod base which is stove enamel coated. With an M10 threaded hole in the middle. Rubber support feet prevents the stand from sliding. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Foot length mm	Weight g	PK	Cat. No.
115	805	1	**4.008 488**
150	1050	1	**4.008 489**

4

4 Retort stand base, tripod pattern

Steel, powder-coated. Tripod pattern, with rubber feet. With M10 threaded central hole. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Foot length mm	Weight g	PK	Cat. No.
115	1000	1	**9.224 051**
150	1350	1	**9.224 054**

5

5 Retort stand base, tripod pattern

Cast iron varnished. Thread M10. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods". *Bochem*

Foot length mm	Weight g	PK	Cat. No.
105	1200	1	**6.401 256**
145	2000	1	**6.084 197**

6

6 Table clamps for rods, malleable cast iron, coated

For table tops with a thickness of max. 55mm. Rod diameter 12/13mm. *Bochem*

Description	PK	Cat. No.
Table clamps	1	**6.089 284**

1 2 Support ring

Steel. With or without bosshead, as outlined below. *Juchheim Laborgeräte*

Type	Ext. diam. mm	Weight g	PK	Cat. No.
without bosshead	70	157	1	**6.900 428**
without bosshead	100	216	1	**6.900 429**
without bosshead	130	230	1	**6.201 068**
without bosshead	160	260	1	**6.900 430**
without bosshead	180	346	1	**6.900 761**
with bosshead	70	210	1	**6.076 309**
with bosshead	100	236	1	**9.223 900**
with bosshead	130	266	1	**9.223 901**

1

2

3 4 Support rings

With or without bosshead, as outlined below. *Bochem*

Length mm	Int. diam. mm	Material	Description	PK	Cat. No.
200	70	18/10 steel	without bosshead	1	**9.225 027**
220	100	18/10 steel	without bosshead	1	**9.225 030**
220	120	18/10 steel	without bosshead	1	**9.225 033**
200	70	steel zincked	without bosshead	1	**6.239 507**
220	100	steel zincked	without bosshead	1	**6.239 804**
220	130	steel zincked	without bosshead	1	**6.239 822**
70	70	steel zincked	with bosshead	1	**9.225 081**
70	100	steel zincked	with bosshead	1	**6.238 844**
70	130	steel zincked	with bosshead	1	**7.651 881**

3

4

5 Bosshead

Malleable cast iron with lacquered chrome finish. DIN 12895. With lug screw.

Jaw opening mm	PK	Cat. No.
16.5	1	**9.224 254**
20	1	**6.225 278**
36	1	**6.802 614**

5

6 Bosshead

18/10 steel. To DIN 12895. Material number 4301. Electrolytically polished, with heart screw. Angle 90°.

Jaw opening mm	PK	Cat. No.
16.5	1	**9.224 252**

6

7 Swivelling bosshead

18/10 steel. To DIN 12895. Material no. 4301. Electrolytically polished, with heart screw. Angle 0 to 360°.

Jaw opening mm	PK	Cat. No.
16.5	1	**9.224 253**

7

1

1 Bosshead, standard

Chrome plated cast alloy with smoothly opening distance of 0 - 15mm.
Available as 2 types:
- with fix stem that holds the objects on fixed position.
- with swivel mechanism which enables the object to freely swivel 360° and lockable at any desired angle.

Jaw opening mm		PK	Cat. No.
swivel bosshead		1	**6.239 009**
solid stem bosshead		1	**6.238 711**

2

2 Cross bosshead

Malleable cast iron with chrome finish. DIN 12895. 90° and 180° angle with lug screw.

Jaw opening mm	PK	Cat. No.
16.5	1	**9.224 264**

3

3 Cross bosshead

18/10 steel. To DIN 12895. Material no. 4301. Electrolytically polished, with heart screws. Opening angles 90° and 180°.

Jaw opening mm	PK	Cat. No.
16.5	1	**9.224 263**

4

4 Bossheads

Aluminium alloy or stainless steel 18/10.
Angle 180° and 90°.

Jaw opening mm	Thread	Material	PK	Cat. No.
16.5	M8	Aluminium alloy	1	**9.224 268**
16.5	M8	stainless steel 18/10	1	**9.224 258**
27	M10	Aluminium alloy	1	**9.224 269**

5

5 Lightweight bosshead

Aluminium, polished finish. Angle 90°.

Jaw opening mm	PK	Cat. No.
16.5	1	**9.224 291**

6

6 Bosshead, malleable iron

Double bosshead malleable iron, epoxy coated. *Juchheim Laborgeräte*

Jaw opening mm	Description	PK	Cat. No.
20	with M8 brass thumb bolt	1	**9.223 902**

1 Bossheads, stainless steel

Stainless steel, electrolytically polished, for rods up to 16mm diameter. With tommy-bar screws.

Description	PK	Cat. No.
Bosshead	1	**6.071 888**

2 Base, flexible, zinc die casting

Zinc die casting, nickel-plated, vinyl-coated jaws. Stem length 300mm, with 82mm diameter, heavy, stable base.

Description	Jaw opening mm	PK	Cat. No.
Three-prong	0 to 40	1	**6.303 795**
Curved jaws	12 to 25	1	**7.605 582**

3 Clamp, flexible with bosshead, zinc die casting

Zinc die casting, nickel-plated, vinyl-coated jaws, with revolvable sleeve. Stem length 300mm.

Description	Jaw opening mm	PK	Cat. No.
Three-prong	0 to 40	1	**6.088 853**
Round jaws	12 to 25	1	**6.800 733**

4 Three-prong clamp, malleable iron

Malleable iron with epoxy coating for 1 burette *Juchheim Laborgeräte*

Jaw opening mm	Weight g	PK	Cat. No.
0 - 30	140	1	**9.223 915**

5 Cross bosshead, cast steel

Chrome plated cast steel. Suitable for frame works and fixing perpendiculars. Can be moved vertically and horizontally along the rods.

Description	PK	Cat. No.
suitable for rods 12mm	1	**9.224 278**

6 Cross bosshead, right-angle format, Aluminum alloy

LABOMECA. With hexagon socket screw. *Bochem*

Jaw opening mm	PK	Cat. No.
12 to 13 x 12 to 13	1	**9.224 274**

1

1 Bossheads, malleable cast iron, chromed

Swivelling (360°). For M8 rods.

Jaw opening mm	PK	Cat. No.
16.5	1	**6.079 307**

2

2 Bossheads, aluminium

For M8 rods. Angle 90° and 180°.

Jaw opening mm	PK	Cat. No.
13	1	**6.202 021**

3

3 Multi-purpose bosshead light alloy

Juchheim Laborgeräte

Clamping range mm	Weight g	Description	PK	Cat. No.
16	140	with M8 brass thumb bolt	1	**9.223 904**

4

9.223 905

5

9.223 906

Hook connector, steel/stainless steel

Hook bosshead steel, epoxy coated or stainless steel with brass pressure block. *Juchheim Laborgeräte*

Material	Clamping range mm	Description	PK	Cat. No.
stainless steel	13	M8 stainless steel thumb bolt	1	**9.223 905** 4
steel	13	M8 brass thumb bolt	1	**9.223 906** 5

6

6 Scaffold bosshead, cast iron

Malleable cast iron with lacquered chrome finish. With heart screws.

Jaw opening mm	Angle	PK	Cat. No.
13	90	1	**9.224 267**

We can supply this manufacturer's whole product range !

partner of the LLG Lab Logistics Group

BOCHEM LABORBEDARF

Clamp, 2 prongs

Chrome plated cast steel with two PVC coated prongs for gently holding the objects. Two seperately adjustable clamps enable perfect control of holding pressure and precise positioning of the objects. Clamps can be opened and closed smoothly with a grip width of 0-50mm.
Available as 2 types:
- with solid stem of 12mm rod diameter, the holding angle and distance from the support rod can be adjusted by a separate bosshead.
- with swivel mechanism which enables the object to freely swivel 360° and lockable at any angle. Complete with a integral bosshead, usable for rods maximum diameter of 21mm.

Description	Jaw opening mm	PK	Cat. No.
solid stem clamp	0 to 50	1	**6.237 648** 1
swivel clamp	0 to 50	1	**9.224 401** 2

1

6.237 648

2

9.224 401

3 Three-prong clamps, aluminium

PVC-coated jaws. *Bochem*

Jaw opening mm	PK	Cat. No.
0 to 70	1	**6.510 909**

3

4 Retort clamps

Standard to DIN 12894. With round jaws. *Bochem*

Jaw opening mm	Length mm	Material	PK	Cat. No.
25	150	Malleable cast iron, chromed	1	**9.224 470**
40	150	Malleable cast iron, chromed	1	**9.224 471**
60	150	Malleable cast iron, chromed	1	**9.224 472**
80	180	Steel, chromed	1	**6.306 164**

4

5 Support clamps

18/10 steel. DIN 12984. Prongs with cork and round jaws. *Bochem*

Clamping range mm	Length mm	PK	Cat. No.
25	150	1	**9.224 425**
40	150	1	**9.224 440**
60	150	1	**9.224 460**

5

6 Clamps, malleable iron

Stand clamp rounded jaws, malleable iron, epoxy coated. To DIN 12894. *Juchheim Laborgeräte*

Clamping range mm	Weight g	PK	Cat. No.
25	180	1	**6.800 204**
40	204	1	**6.200 398**
60	310	1	**6.800 126**
80	357	1	**9.223 913**

6

1

6.303 841

2

6.300 995

Retort clamps, nickel-plated

Flexible shaft. *Bochem*

Jaw opening mm	Description	Shaft length mm	PK	Cat. No.
0 to 30	Finger with silicone coating	220	1	**6.303 841** 1
40	Finger with cork	290	1	**6.300 995** 2

3

3 Retort clamp

18/10 stainless steel. 3-prong with plastic covered jaws. *Bochem*

Jaw opening mm	Length mm	PK	Cat. No.
0 to 120	190	1	**9.224 445**

4

4 Beaker and flask clamp

18/10 steel. 4 prong with silicone corered jaws. *Bochem*

Jaw opening mm	Length mm	PK	Cat. No.
0 to 120	150	1	**9.224 448**

5

5 Micro-clamps, die-cast zinc

DIN 12894, form A. Die-cast zinc, powder coated. With angular jaws.

Jaw opening mm	PK	Cat. No.
10 to 25	1	**9.224 307**

6

9.224 330

Micro clamps

Lacquered green finish. Malleable cast iron. Prongs with cork. *Bochem*

Type	Jaw opening mm	Length mm	PK	Cat. No.
1	15	150	1	**9.224 330** 6

7

9.224 310

8

9.224 311

9

9.224 312

Micro clamps, with cork or silicone

18/10 steel. Cork/silicone*coated jaws. *Bochem*

Type	Jaw opening mm	Length mm	PK	Cat. No.
1	15	150	1	**9.224 310** 7
2	15	150	1	**9.224 311** 8
3*	0 to 20	150	1	**9.224 312** 9

10

10 Universal clamp, with cork

Prongs with cork. *Bochem*

Jaw opening mm	Length mm	Material	PK	Cat. No.
0 to 80	180	Aluminium, DIN pattern	1	**9.224 501**
0 to 80	150	18/10 steel	1	**9.224 502**

1 Burette and thermometer clamp

"Automatic". Sprung-clip jaws with chrome-plated shaft. *Bochem*

Jaw opening mm	Length mm	PK	Cat. No.
0 to 25	115	1	**9.224 320**

2 Burette and thermometer clamp

'Automatic'. Sprung-clip jaws with attached chrome-plated bosshead for 13.5mm max. diameter rods. *Bochem*

Jaw opening mm	Length mm	PK	Cat. No.
0 to 25	100	1	**9.224 322**

3 Chain clamp, steel.

Chain 70cm, silicone coating. *Bochem*

Jaw opening mm	Shaft length mm	PK	Cat. No.
50 to 160	250	1	**6.079 772**

4 Condenser clamp, malleable iron

Condenser clamp moveable support rod, malleable iron, epoxy coated. *Juchheim Laborgeräte*

Jaw opening mm	Weight g	PK	Cat. No.
85 mm	480	1	**9.223 907**

5 Condenser clamp, malleable cast iron, chromed

Swivel type, silicone coated. *Bochem*

Jaw opening mm	Shaft length mm	PK	Cat. No.
50 to 100	150	1	**6.070 044**

6 Burette clamps, nickel plated brass

Burette clamp with boss, nickel plated brass, for 1 burette. *Juchheim Laborgeräte*

Jaw opening mm	Weight g	PK	Cat. No.
0 - 40	180	1	**9.223 916**

7 Burette clamps, nickel plated brass

Burette clamp with boss, nickel plated brass, for 2 burettes. *Juchheim Laborgeräte*

Jaw opening mm	Weight g	PK	Cat. No.
0 - 40	180	1	**9.223 917**

1

1 Burette roller clamp, steel

Burette roller clamp with boss, for 1 burette, epoxy coated. *Juchheim Laborgeräte*

Jaw opening mm	Weight g	PK	Cat. No.
0 - 30 mm	220	1	**9.223 918**

2

2 Burette roller clamp, steel

Burette roller clamp with boss, for 2 burettes, epoxy coated. *Juchheim Laborgeräte*

Jaw opening mm	Weight g	PK	Cat. No.
0 - 30 mm	380	1	**9.223 919**

3

3 Burette holders, aluminium

For two burettes. With bosshead. Distance between rollers 170mm. PVC rollers. *Bochem*

Jaw opening mm	PK	Cat. No.
0 to 13	1	**6.076 204**

4

4.008 313

5

6.240 474

Burette clamp

- Metal burette clamps are made out of steel and can hold one burette at a time. Graduations and meniscus line of the burette are clearly visible. They can be used on support rods of 8-14mm diameter.
- Polypropylene burette clamp can hold one burette at a time. Graduations and meniscus line of the burette are clearly visible. They can be used on support rods of 10-12mm diameter.

Description	PK	Cat. No.
Burette clamp, metal	1	**4.008 313** 4
Burette clamp, PP	1	**6.240 474** 5

Rechargeable NiMH batteries Energizer Profi

- rapid recharging
- no memory effect
- ecologically friendly
- economical

Type	Current mAh	Volt	PK	Cat. No.
HR6/AA/Mignon	2000	1.2	4	**9.012 925**
HR6/AA/Mignon	2300	1.2	2	**9.012 945** 1
HR22/9V/E-Block	175	8.4	1	**9.012 927** 2

1

9.012 945

2

9.012 927

3 Alkaline Special Batteries Energizer

For a variety of measuring devices; thermometers, digital balances, pocket calculators, watches, timers etc.

Type	Volt	PK	Cat. No.
A76/LR44/13GA	1.5	2	**9.012 932**
EPX76/SR44	1.5	2	**9.012 933**
189/LR54/10GA	1.5	2	**9.012 934**

3

Lithium Photo Batteries Energizer

For temperatures from -40°C to +60°C.

Type	Volt	PK	Cat. No.
EL123AP/CR17345	3.0	1	**9.012 935** 4
ELCR2AP	3.0	1	**9.012 936**
EL223AP/CRP2	6.0	1	**9.012 937** 5
EL2CR5AP/2CR5	6.0	1	**9.012 938**

4

9.012 935

5

9.012 937

6 Lithium batteries, Energizer

- for temperatures from -40°C to +60°C
- not rechargeable
- lasts up to 7 x longer in digital cameras
- carries a 15 year shelf life (guarantee: 90% of capacity after 15 years)
- 30% lighter than alkaline AA

Type	Volt	PK	Cat. No.
FR6/L91/AA/Mignon	1.5	2	**9.012 928**
FR03/L92/AAA/Micro	1.5	2	**9.012 929**

6

7 Alkaline Batteries, Energizer Industrial

Best performance for industrial, medical and laboratory applications.

Type	Volt	PK	Cat. No.
LR14/EN93/C/Baby	1.5	12	**9.012 921**
LR6/EN91/AA	1.5	10	**9.012 939**
LR03/EN92/AAA/Micro	1.5	10	**9.012 944**
LR20/EN95/D/Mono	1.5	12	**9.012 922**
6LR61/EN522/9V/E-Block	9.0	12	**9.012 923**

7

1

1 Lithium coin cells Energizer (Batteries)

For a variety of meters, thermometers, digital balances, pocket calculators, watches, timers etc.

Type	Volt	PK	Cat. No.
CR2032	3.0	1	**9.012 971**
CR2025	3.0	1	**9.012 972**
CR2016	3.0	1	**9.012 973**
CR1025	3.0	1	**9.012 974**
CR1220	3.0	1	**9.012 975**
CR1620	3.0	1	**9.012 976**

2

2 Universal Charger Energizer

- for NiCd and NiMH cells
- accomodates 1 to 4 round batteries, sizes AA/AAA/C or D, and 2 x 9V square batteries
- detects chemistry, capacity and inappropriate batteries

Type	PK	Cat. No.
Universal battery charger	1	**9.012 977**

3

3 Compact Battery Charger Quattro Charger

- charges AA, AAA and 9V rechargeable batteries
- with 4-LED's with overload protection maintenance charge
- wrong polarity protection
- detects defective batteries
- including 4 x AA 2450mAh

Type	PK	Cat. No.
Compact Battery Charger Quattro Charger	1	**9.012 940**

4

4 1 hr Charger, Energizer

The 1 hour charger combines the highest capacity cells (both AA and AAA) with the ultra fast charge.
- ideal for high drain and digital devices, especially digital cameras
- charges 1-4 "AA" or "AAA" NiMH rechargeable batteries at a time
- charges AA 2500mAh batteries in approximately 1 hour
- includes 2 x AA 2450 mAh NiMh batteries

Type	PK	Cat. No.
1 hr Charger	1	**9.012 978**

1 Aluminium foil

One side with a polished finish and the other side with a matt finish. Suitable for a wide range of laboratory applications, sealing, wrapping and forming temporary containers.

Description	Length m	Width mm	Thickness mm	PK	Cat. No.
Short roll	20	300	0.013	1	**9.106 013**
Short roll	10	450	0.015	1	**9.106 015**
Dispenser box	150	450	0.015	1	**9.106 102**
Dispenser box	100	300	0.013	1	**9.106 103**
Refilling roll	150	450	0.015	1	**9.106 104**
Dispenser box	100	500	0.030	1	**9.106 105**
Short roll	10	300	0.015	1	**9.106 106**
Short roll	10	300	0.030	1	**9.106 107**
Roll	200	500	0.050	1	**9.106 205**

2 Aluminium Pop-up sheets

NEW!

Embossed pure aluminium foils, extremely tare resistent
- Handy for everyday use
- Heat-resistant up to 600°C
- Air-tight and a barrier to light
- Dimensions (sheet): 230 mm x 270 mm

200 sheets in a box

Description	PK	Cat. No.
Box à 200 sheets	1	**6.230 318**

3 Round aluminium discs

Interleaved with tissue paper. Foil thickness 0.03mm

Diam. mm	PK	Cat. No.
80	1000	**9.106 208**
100	1000	**9.106 210**
120	1000	**9.106 212**
130	1000	**9.106 213**
150	1000	**9.106 215**

1 Aluminium containers, round

Capacity ml	Top diam. mm	Bottom diam. mm	Fill height mm	PK	Cat. No.
28	64	51	13	100	**9.106 240**
110	80	56	34	100	**9.106 241**
110	99	70	25	100	**9.106 242**
125	96	78	24	100	**9.106 261**
280	114	58	50	50	**9.106 263**

4 Aluminium containers, square

With lid. *Novelis*

Capacity ml	Dimensions top (D x W) mm	Dimensions bottom (D x W) mm	Fill height mm	PK	Cat. No.
250	103 x 128	67 x 93	34	100	**6.226 802** 2
500	127 x 191	92 x 156	29	60	**9.106 266** 3

6.226 802

9.106 266

5 6 LLG-Surface protector DescProtect

DescProtect is a durable paper which quickly absorbs liquid spills. The PE-coated base layer stops liquids reaching the work surface.

- stays flat, does not ripple or curl to de-stabilise vessels
- white surface can be written on using pens or pencils
- rapid absorption of liquid spills
- excellent fluid protection
- no contamination of work surfaces or laboratory cabinets
- suitable for school laboratories, wet chemistry, industry

Type	Size	PK	Cat. No.
Sheets	460mm x 570mm	50	**9.160 270**
Spool	400mm x 50m	1	**9.160 271**

1 Benchkote surface protector®

NEW!

GE Healthcare

The upper side consists of a particularly absorbent filter paper, the lower side is a non-permeable, chemically resistant PE layer. This combination makes Benchkote into a protective paper with a particularly high wet strength for universal use, helping to meet the requirements of Good Laboratory Practice (GLP):
- Completely absorbs escaped liquids
- Prevents spills from reaching the workbench
- Protects against contamination

Applications:
- Surface protection for lab workbenches, trays or chemical cabinets
- Contamination protection, e. g. in isotope or bacteriological labs
- Adsorption of toxic or radioactive substances
- Hygienic protection in animal cages
- Atmospheric regulation in humidity chambers

Type	Width mm	Length mm	PK	Cat. No.
Pack of loose sheets	460	570	50	**9.106 280**
Roll	460	50000	1	**9.106 284**
Roll	920	50000	1	**9.106 286**
Pad of sheets	460	570	1	**9.106 287**
Sheets	600	500	50	**9.106 278**
Roll	600	50000	1	**9.106 279**

2 Bench protector, Labmat™

Bel-Art Products

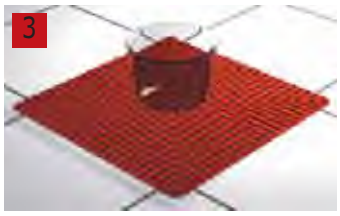
Labmat™ Bench Liner speeds clean-up and safeguards work surfaces from stains, spills and wear. Highly absorbent upper surface.Flexible polyethylene film backing is non-skid and prevents soak-through of most solutions.
Simply roll up and discard after contamination. Easily cut custom size sheets.
Color: white
Length: 15.2m
Width: 508mm

Length: 15.2m
Width: 508mm.

Type	PK	Cat. No.
Bench protector, Lab Mat™	1	**9.106 288**

3 Laboratory mats

Deutsch & Neumann



- non-slip
- silicone
- withstands temperatures up to 260°C
- available in black or red

Colour	Dimensions mm	PK	Cat. No.
Red	250 x 250	1	**9.390 090**
Black	250 x 250	1	**9.390 091**
Red	350 x 350	1	**9.390 092**
Black	350 x 350	1	**9.390 093**

4 Impulse heat sealing tongs polystar® 110 GE

Double impulse heating. LED readout allows a visual check on the sealing progress. Pressure switch triggers the welding process. A special pressure switch for generating the heat impulse guarantees constant welding results. Includes 3m connection cable.

Type	Length*	Weight g	PK	Cat. No.
200 D	200	750	1	**9.106 837**
300 D	300	800	1	**9.106 838**

* Seal length max. (mm)

5 Impulse generator polystar® 110 GE

For impulse heat sealing tongs 9.106 830

Electric current requirement:	3.7A max.
Power consumption:	approx. 0.1kW/hr.
Supply requirements:	220V 50Hz

Width mm	Depth mm	Height mm	PK	Cat. No.
296	195	132	1	**9.106 836**

1

1 Plastic film, rolls

Transparent. PE. Supplied in 25m rolls.
Other widths are available on request.

Thickness mm	Width mm	PK	Cat. No.
0.05	80	1	**9.106 508**
0.05	100	1	**9.106 510**
0.05	150	1	**9.106 515**
0.05	200	1	**9.106 520**
0.05	250	1	**9.106 525**
0.05	300	1	**9.106 530**
0.10	80	1	**9.106 538**
0.10	100	1	**9.106 540**
0.10	150	1	**9.106 545**
0.10	200	1	**9.106 550**
0.10	250	1	**9.106 555**
0.10	300	1	**9.106 560**

2

2 SAROGOLD®

Extra-strong foil. PVC-based. Good barrier properties protects the user against contact with dangerous substances (e.g. ethidium bromide or contaminated isotopes) from the sealed material and it is therefore suitable for covering sequencing gels in Electrophoresis applications.
Ideal characteristics for use:
- does not stick, easy to unravel
- with cutter
- non-flammable
- self-extinguishing
- microwaveable

Specifications

Film thickness:	11.5µm
Permeability in the visible area:	90%
UV-filtering:	300Å
IR-permeability:	88%
Width:	300mm
Length:	300m

Type	PK	Cat. No.
SAROGOLD®	1	**9.106 460**

3

3 Cling film Toppits®

- easy to use and better adhesion
- Our best freshness protection
- slight initial determination
- very easy to roll
- particularly strong
- With time beginning Finder
- Tear-off cap box with stable
- Role of fixation for easy rolling

Width mm	Length m	PK	Cat. No.
320	20	1	**9.106 450**

4

4 Freezer bags

Polar One. With tear-resistant seam.

Capacity Litres	Width mm	Length mm	PK	Cat. No.
1	190	240	40	**9.033 251**
3	250	320	30	**9.033 252**
6	290	470	20	**9.033 253**

1 LLG-Disposal bags, PE

Transparent. PE. Without seal.

Width mm	Length mm	Thickness mm	PK	Cat. No.
100	150	0.05	100	**9.404 128**
150	200	0.05	100	**9.404 130**
200	350	0.05	100	**9.404 140**
250	400	0.05	100	**9.404 150**
250	400	0.10	100	**9.404 151**
300	500	0.05	100	**9.404 152**
300	500	0.10	100	**9.404 153**

2 Pressure-seal bags with write on patch, PE

Transparent. PE. With rim channel seal that can be opened and closed repeatedly, and write-on patch.

Width mm	Length mm	Thickness mm	PK	Cat. No.
40	60	0.05	100	**9.404 176**
70	100	0.05	100	**9.404 173**
80	120	0.05	100	**9.404 179**
100	150	0.05	100	**9.404 171**
120	170	0.05	100	**9.404 172**
160	220	0.05	100	**9.404 177**
200	300	0.05	100	**9.404 178**

3 Pressure-seal bags, PE

Transparent. PE. With rim channel seal that can be opened and closed repeatedly.

Width mm	Length mm	Thickness mm	PK	Cat. No.
80	120	0.05	100	**9.404 160**
100	150	0.05	100	**9.404 161**
120	170	0.05	100	**9.404 162**
150	220	0.05	100	**9.404 163**
180	250	0.05	100	**9.404 164**
200	300	0.05	100	**9.404 165**
220	310	0.05	100	**6.304 307**
250	350	0.05	100	**9.404 166**
300	400	0.05	100	**9.404 167**

For sterile bags see page 520.

4 Sealing tape PetriSeal/ContainerSeal

NEW!

An ideal Sealing Tape for Petri Dishes, Microplates, Lids, Caps and other Lab Items. *Heathrow Scientific*
Tape stretches, conforms and seals the irregular perimeter of microtiter plates and petri dishes. Tape and adhesive resist most solvents and caustic agents. Seal remains flexible in moderate freezer temperatures and withstands intermittent exposure to 100°C.
Waterproof.

Colour	Width mm	PK	Cat. No.
Blue	13	1	**9.170 057**
Clear	13	1	**9.170 058**
Red	13	1	**9.170 059**
White	13	1	**9.170 060**
Yellow	13	1	**9.170 061**
Red	19	1	**9.170 051**
White	19	1	**9.170 052**
Yellow	19	1	**9.170 053**
Red	25	1	**9.170 054**
White	25	1	**9.170 055**
Yellow	25	1	**9.170 056**

1 Parafilm® M sealing film

Can be stretched up to 200% and clings around irregular shapes and surfaces.

Parafilm® M is resistant to many polar substances such as saline solutions, inorganic acids and alkaline solutions for up to 48 hours (After this time it may become brittle). Parafilm® M conforms to general FDA requirements if used below 55°C.

Parafilm® M data

Toxicity	Non-toxic
Melting temperature:	60°C
Burning point:	301°C
Continued use temperature:	-45°C to +50°C
Stretching ability:	200%
Elongation at tear:	300%
Gas permeability over 24 hours at 23°C and 50% relative air humidity	
O_2 (Oxygen):	less than 350cm³/m²
N_2 (Nitrogen):	less than 105cm³/m²
CO_2 (Carbon dioxide):	less than 1100cm³/m²
Steam permeability over 24 hrs. at 37°C and 90% relative air humidity:	0.8g/m²

Type	Width mm	Length m	PK	Cat. No.
PARAFILM® M	50	75	1	**9.170 003**
PARAFILM® M	100	38	1	**9.170 002**
PARAFILM® M	100	75	1	**9.170 005**
PARAFILM® M	500	15	1	**9.170 004**

PARAFILM® M dispenser

PARAFILM® M feeds through easily and is easy to cut using the safety cutting device. For rolls up to 100mm wide.

Type	PK	Cat. No.	
PARAFILM® M dispenser, Plexiglas®	1	**9.170 000**	2
PARAFILM® M dispenser, ABS	1	**9.170 001**	3
PARAFILM® M dispenser, plastic	1	**9.170 010**	4

9.170 000

9.170 001

9.170 010

5 PTFE spray

In canister.

Capacity ml	PK	Cat. No.
400	1	**9.220 980**

1 Silicone separating agent AK

To aid the separation of 'frozen' ground glass connections and lubricate stirrer bearings etc. Supplied in a spray as outlined below.

Capacity ml	PK	Cat. No.
200	1	**9.220 990**

2 Gas leak detection fluid

DIN 30657 gas, trace and leak detection fluid. Non-allergenic, non-toxic and odourless. Suitable for all pressure ranges. Non-flammable and therefore suitable for all technical gases such as ammonia, argon and other noble gases, freon, carbon dioxide, coal gas, compressed air, propane, oxygen, nitrogen, water etc.
Propellant-free. Unpressurised canister. Flash-point greater than 50°C. Unlimited shelf life. Tested and approved under DIN-DVGW-No. NG to 5170 AN 0456

Type	PK	Cat. No.
Gas leak detection fluid	1	**9.110 010**
Sprayhead	1	**9.110 011**

3 Sealing tape, PTFE

For covering areas which require protection against chemicals of all types at temperatures of -150 to +260°C. Non-swelling. Easy loosening of seams even after continuous operation. Supplied in rolls as outlined below.

Width mm	Length cm	Wall thickness mm	PK	Cat. No.
12.8	670	0.1	1	**9.404 952**
24.0	670	0.1	1	**9.404 955**